1
Ag84M
cop. 3

List of Publications

of the

United States Department of Agriculture

From January 1936 to December 1940, Inclusive

Compiled by Comparison with the Originals

By MABEL HUNT DOYLE
In Charge, Indexing Section
Division of Publications, Office of Information
United States Department of Agriculture

Supplementary to Miscellaneous Publications
Nos. 9, 153, and 252

UNITED STATES
DEPARTMENT OF AGRICULTURE
Miscellaneous Publication No. 443

B

Historic, archived document

Do not assume content reflects current scientific knowledge, policies, or practices.

UNITED STATES DEPARTMENT OF AGRICULTURE

Miscellaneous Publication No. 443

✦

List of Publications

of the

United States

Department of Agriculture

From January 1936 to December 1940, Inclusive

Compiled by

MABEL HUNT DOYLE

In Charge, Indexing Section

Division of Publications, Office of Information

United States Department of Agriculture

Supplementary to Miscellaneous Publications

Nos. 9, 153, and 252

UNITED STATES

GOVERNMENT PRINTING OFFICE

WASHINGTON : 1941

318215-41

CONTENTS

	Page
Agricultural statistics	1
Circulars	1
Farmers' bulletins	6
Journal of Agricultural Research	7
Leaflets	24
Miscellaneous publications	25
Statistical bulletins	29
Technical bulletins	29
Unnumbered publications	35
Yearbooks	35
Office of the Secretary	39
Office of Budget and Finance	39
Office of Experiment Stations	39
Extension Service	40
Foreign Agricultural Relations	41
Office of Information	41
Library	41
Office of the Director of Marketing	41
Office of Personnel	42
Office of Plant and Operations	42
Office of the Solicitor	42
Agricultural Adjustment Administration	42
Bureau of Agricultural Chemistry and Engineering	47
Bureau of Agricultural Economics	47
Bureau of Agricultural Engineering	48
Agricultural Marketing Service	48
Bureau of Animal Industry	49
Bureau of Biological Survey	49
Bureau of Chemistry and Soils	50
Commodity Credit Corporation	57
Commodity Exchange Administration	57
Bureau of Dairy Industry	57
Bureau of Entomology and Plant Quarantine	57
Farm Credit Administration	57
Farm Security Administration	59
Federal Crop Insurance Corporation	59
Federal Surplus Commodities Corporation	60
Food and Drug Administration	60
Forest Service	61
Grain Futures Administration	61
Bureau of Home Economics	61
Division of Marketing and Marketing Agreements	61
Bureau of Plant Industry	62
Bureau of Public Roads	63
Resettlement Administration	63
Rural Electrification Administration	63
Soil Conservation Service	63
Sugar Division	64
Surplus Marketing Administration	65
Weather Bureau	65
Index	67

AGRICULTURAL STATISTICS

1936. Joseph A. Becker, Paul Froehlich, S. W. Mendum, L. D. Howell, F. J. Hosking, and G. W. Sprague. 421 p. 1936.
1937. Joseph A. Becker, Paul Froehlich, Roy F. Hendrickson, S. W. Mendum, S. R. Newell, R. E. Post, and G. W. Sprague. 486 p. 1937.
1938. Joseph L. Orr, Paul Froehlich, D. F. Christy, S. W. Mendum, J. W. Park, R. E. Post, and Catherine M. Viehmann. 544 p. 1938.
1939. Joseph A. Becker, Paul Froehlich, D. F. Christy, S. W. Mendum, J. W. Park, R. E. Post and Catherine M. Viehmann. 597 p. 1939.
1940. Joseph A. Becker, Paul Froehlich, W. O. Fraser, Donald Jackson, S. W. Mendum, Fred J. Rossiter, and Rodney Whitaker. 737 p. 1940.

CIRCULARS

367. Speeding up flowering in the daffodil and the bulbous iris. David Griffiths. 18 p. 1936.
368–371. Issued in 1935.
372. Tulips. David Griffiths. 64 p. 1936.
373–378. Issued in 1935.
379. Shipmast locust, a valuable undescribed variety of *Robinia pseudoacacia*. Oran Raber. 8 p. 1936.
380. Erosion control on mountain roads. Charles J. Kraebel. 45 p. 1936.
381. Rodents and moles as pests in bulb plantings. Theo. H. Scheffer and F. E. Garlough. 16 p. 1936.
382. Issued in 1935.
383. Market classes and grades of lambs and sheep. L. B. Burk, C. E. Gibbons, and M. T. Foster. 35 p. 1936.
384. Making and using peanut butter. W. R. Beattie. 14 p. 1936.
385. Dust explosions during fire fighting. David J. Price. 10 p. 1936.
386. The wax moth and its control. Warren Whitcomb, Jr. 14 p. 1936.
387. Distribution of the Argentine ant in the United States and suggestions for its control or eradication. M. R. Smith. 40 p. 1936.
388. The Glovel tomato. William S. Porte, H. S. Wolfe, and W. M. Fifield. 6 p. 1936.
389. Production of sauer rüben. Harry E. Gorsline and Lawrence H. James. 10 p. 1936.
390. Flour-mill insects and their control. G. A. Dean, R. T. Cotton, and G. B. Wagner. 34 p. 1936.
391. New sugar-beet varieties for the curly-top area. Bureau of Plant Industry. 5 p. 1936.
392. Diagnosing bee diseases in the apiary. C. E. Burnside and A. P. Sturtevant. 35 p. 1936.
393. Care and maintenance of cotton-gin saws and ribs. Charles A. Bennett and Francis L. Gerdes. 20 p. 1936.
394. Dimension-stock methods for New England hardwoods. A. O. Benson. 61 p. 1936.

395. Variety tests of sugarcanes in Louisiana during the crop year 1933–34 and summary of annual results 1926–34. George Arceneaux, I. E. Stokes, and C. C. Krumbhaar. 31 p. 1936.
396. A method of harvesting grapefruit to retard stem-end rot. J. R. Winston. 8 p. 1936.
397. Analysis of open commitments in wheat and corn futures on the Chicago Board of Trade, September 29, 1934. D. B. Bagnell. 20 p. 1936.
398. Measuring fire weather and forest inflammability. H. T. Gisborne. 59 p. 1936.
399. Machine placement of fertilizers for snap beans in Florida. G. A. Cumings, A. L. Sharp, J. J. Skinner, G. M. Bahrt, and G. H. Serviss. 43 p. 1936.
400. A simple method for detecting mastitis streptococci in milk. R. P. Hotis and W. T. Miller. 7 p. 1936.
401. Control of the Japanese beetle and its grub in home yards. W. E. Fleming and F. W. Metzger. 15 p. 1936.
402. Blue grama grass for erosion control and range reseeding in the Great Plains and a method of obtaining seed in large lots. Jess L. Fults. 8 p. 1936.
403. Preventing injury from Japanese and Asiatic beetle larvae to turf in parks and other large areas. Walter E. Fleming. 12 p. 1936.
404. The choice of crops for saline land. T. H. Kearney and C. S. Scofield. 24 p. 1936.
405. Susceptibility of grape rootstocks to root knot nematode. Elmer Snyder. 16 p. 1936.
406. Oil burners for home heating. Arthur H. Senner. 27 p. 1936.
407. Plowing as a means of destroying wireworm pupae in the Pacific Northwest. F. H. Shirck. 8 p. 1936.
408. Wireworm-infestation trends accompanying certain crop rotations in the Pacific Northwest. F. H. Shirck and H. P. Lauchester. 10 p. 1936.
409. The effect of thallium on plant growth. E. E. Horn, Justus C. Ward, James C. Munch, and F. E. Garlough. 8 p. 1936.
410. Results from breeding rabbits that are suckling young. Chas. E. Kellogg. 8 p. 1936.
411. A study of arsenical dusting of cabbage in relation to poison residues. Chas. E. Smith, W. J. Reid, Jr., P. K. Harrison, and C. O. Bare. 8 p. 1937.
412. Groups of plants valuable for wildlife utilization and erosion control. W. L. McAtee. 12 p. 1936.
413. An improved method of converting an observed skein strength of cotton yarn to the strength of a specified yarn count. Malcolm E. Campbell. 19 p. 1936.
414. Farmer bankruptcies, 1898–1935. David L. Wickens. 32 p. 1936.
415. Equipment for applying dust fungicides to seed grain. W. M. Hurst, F. D. Fulton, W. R. Humphries, and R. W. Leukel. 20 p. 1936.
416. Land-improvement measures in relation to a possible control of the beet leafhopper and curly top. R. L. Piemeisel and J. C. Chamberlin. 24 p. 1936.
417. The farm real estate situation, 1935–36. B. R. Stauber and M. M. Regan. 40 p. 1936.
418. Parasites and predators of the Mexican bean beetle in the United States. N. F. Howard and B. J. Landis. 12 p. 1936.
419. The fir engraver beetle, a serious enemy of white fir and red fir. G. R. Struble. 16 p. 1937.
420. The Houma potato: A new variety. C. F. Clark, F. J. Stevenson, and J. C. Miller. 4 p. 1936.
421. Results of field crop, shelterbelt, and orchard investigations at the United States Dry Land Field Station, Ardmore, S. Dak., 1911–32. Oscar R. Matthews and Verner I. Clark. 48 p. 1937.
422. Biology of the tobacco moth and its control in closed storage. W. D. Reed and E. M. Livingstone. 39 p. 1937.
423. The house rat. James Silver. 19 p. 1937.
424. Distribution of the varieties and classes of wheat in the United States in 1934. J. Allen Clark and K. S. Quisenberry. 68 p. 1937.
425. A method for the control of cotton root rot in the irrigated Southwest. C. J. King. 10 p. 1937.
426. Use of soil-moisture and fruit-growth records for checking irrigation practices in citrus orchards. C. A. Taylor and J. R. Furr. 24 p. 1937.
427. Peach mosaic, its identification and control. Lee M. Hutchins, E. W. Bodine, and H. H. Thornberry. 48 p. 1937.
428. Flight speed of birds. May Thacher Cooke. 14 p. 1937.
429. The rhododendron whitefly and its control. Randall Latta. 8 p. 1937.
430. Emergency wind-erosion control. Glenn K. Rule. 11 p. 1937.
431. Increasing growth and yield of young spruce pulpwood stands by girdling hardwoods. Marinus Westveld. 20 p. 1937.
432. Country milk-receiving and cooling stations. C. E. Clement. 60 p. 1937.
433. Crow-waterfowl relationships: Based on preliminary studies on Canadian breeding grounds. E. R. Kalmbach. 36 p. 1937.
434. Commercial planting on redwood cut-over lands. Hubert L. Person. 40 p. 1937.
435. Tobacco shrinkages and losses in weight in handling and storage. J. V. Morrow and Dudley Smith. 77 p. 1937.
436. Production and agricultural use of sodium nitrate. Albert R. Merz and C. C. Fletcher. 12 p. 1937.
437. American grape varieties. I. W. Dix and J. R. Magness. 34 p. 1937.
438. Lumpy jaw, or actinomycosis. John R. Mohler and Maurice S. Shahan. 10 p. 1937.
439. Parasitization of the Mediterranean fruitfly in Hawaii, 1914–33. H. F. Willard and A. C. Mason. 18 p. 1937.
440. The tomato pinworm. J. C. Elmore. 8 p. 1937.
441. Development of Powdery Mildew Resistant Cantaloup No. 45. I. C. Jagger and G. W. Scott. 6 p. 1937.
442. Mosaic diseases of wheat and related cereals. H. H. McKinney. 23 p. 1937.
443. Artificial drying of forage crops. E. D. Gordon and W. M. Hurst. 24 p. 1937.
444. Yield and quality of sugar beets from various rotations at the Scotts Bluff (Nebr.) Field Station, 1930–35. S. B. Nuckols. 15 p. 1937.
445. The iris thrips and its control by hot water, with notes on other treatments. Floyd F. Smith and L. G. Utter. 12 p. 1937.
446. Poultry management in subtropical, semiarid climates. Burt W. Heywang. 20 p. 1937.

447. The freezing temperatures of some fruits, vegetables, and florists' stocks. R. C. Wright. 11 p. 1937.
448. An economic study of cattle business on a southwestern semidesert range. Matt J. Culley. 24 p. 1937.
449. Planning, constructing, and operating forest-fire lookout systems in California. S. B. Show, E. I. Kotok, George M. Gowen, J. R. Curry, and A. A. Brown. 56 p. 1937.
450. Drying Kieffer pears and the use of the dried product. C. W. Culpepper and H. H. Moon. 24 p. 1937.
451. Influence of climatological factors in the development of cercosporella foot rot of winter wheat. Roderick Sprague. 40 p. 1937.
452. Experiments with certain copper compounds as bunt fungicides. O. A. Nelson and R. W. Leukel. 8 p. 1937.
453. Sulphuric acid treatment to increase germination of black locust seed. H. G. Meginnis. 35 p. 1937.
454. Preparation of pathological specimens from animal tissues and their mounting under watch glasses. John S. Bengston. 14 p. 1938.
455. The toxicity of *Haplophyton cimicidum* A. DC. to fruitflies. C. C. Plummer. 11 p. 1938.
456. Forest rights in foreign countries, with especial reference to grazing rights. William N. Sparhawk. 70 p. 1937.
457. Mushroom pests and their control. A. C. Davis. 22 p. 1938.
458. Artificial reseeding on oak-brush range in central Utah. Raymond Price. 19 p. 1938.
459. Effectiveness of imported insect enemies of the satin moth. T. H. Jones, R. T. Weber, and P. B. Dowden. 24 p. 1938.
460. Silver fox pelt prices as affected by time of pelting, sex, and age. Chas. E. Kellogg. 28 p. 1937.
461. Two new varieties of sugarcane for sirup production. B. A. Belcher and S. F. Sherwood. 4 p. 1937.
462. Low temperature as a possible means of controlling the cigarette beetle in stored tobacco. M. C. Swingle. 8 p. 1938.
463. Wholesale markets for fruits and vegetables in 40 cities. William C. Crow. 142 p. 1938.
464. The gypsy and brown-tail moths and their control. A. F. Burgess and W. L. Baker. 38 p. 1938.
465. Effect of storage and repeated sprouting of seed potatoes on their growth and productiveness. P. M. Lombard. 8 p. 1938.
466. A weather-resistant fireproofing treatment for cotton fabrics. Martin Leatherman. 18 p. 1938.
467. Care and repair of cotton-gin brushes. Victor L. Stedronsky and Arvid J. Johnson. 14 p. 1938.
468. An extension program for range management and range livestock as adopted at a regional extension conference held at Spokane, Wash., May 24–27, 1937. W. A. Lloyd. 11 p. 1938.
469. Milk-bottle losses and ways to reduce them. C. E. Clement. 39 p. 1938.
470. Performance characteristics of 5- and 6-foot combines. W. M. Hurst and W. R. Humphries. 36 p. 1938.
471. Forests and employment in Germany. W. N. Sparhawk. 52 p. 1938.
472. Comparative value of mature sows and gilts for producing market hogs. E. Z. Russell and R. E. Hutton. 22 p. 1938.
473. Variety studies in relation to fusarium wilt of peas. B. L. Wade, W. J. Zaumeyer, and L. L. Harter. 27 p. 1938.
474. Muskrat investigations in Dorchester County, Md., 1930–34. Frank R. Smith. 24 p. 1938.
475. Marketing the late crop of potatoes. J. W. Park. 67 p. 1938.
476. Evaluation of sugar-beet types in certain sugar-beet-growing districts in the United States. A. W. Skuderna, F. R. Immer, C. E. Cormany, H. E. Brewbaker, C. A. Lavis, J. G. Lill, Charles Price, J. O. Culbertson, and G. W. Deming. 28 p. 1938.
477. Winter wheat and sorghum production in the southern Great Plains under limited rainfall. O. R. Mathews and Lindsey A. Brown. 60 p. 1938.
478. The American dog tick, eastern carrier of Rocky Fountain spotted fever. F. C. Bishopp and Carroll N. Smith. 26 p. 1938.
479. Agricultural investigations at the United States Field Station, Sacaton, Ariz., 1931–35. C. J. King, R. E. Beckett, and Orlan Parker. 64 p. 1938.
480. Rules and recommendations for testing seeds. 24 p. 1938.
481. Food consumption of children at the National Child Research Center. Helen Nebeker Hann and Hazel K. Stiebeling. 34 p. 1938.
482. Surface run-off and erosion on granitic mountain soils of Idaho as influenced by range cover, soil disturbance, slope, and precipitation intensity. George W. Craddock and C. Kenneth Pearse. 24 p. 1938.
483. Proposed minimum requirements of 3 types of upholstery fabrics based on the analysis of 62 materials. Dess Viemont Morrison and Margaret B. Hays. 28 p. 1938.
484. Effect of date of harvest on yield and milling quality of rice. W. D. Smith, J. J. Deffes, C. H. Bennett, C. Roy Adair, and H. M. Beachell. 20 p. 1938.
485. *Tetrastichus brevistigma* Gahan, a pupal parasite of the elm leaf beetle. P. A. Berry. 12 p. 1938.
486. Factors affecting establishment of Douglas fir seedlings. Leo A. Isaac. 46 p. 1938.
487. Selecting fertilizers. Albert R. Merz. 16 p. 1938.
488. Developments in mechanical equipment and methods in sugar-beet production. E. M. Mervine and S. W. McBirney. 38 p. 1938.
489. Selection, installation, finish, and maintenance of wood floors for dwellings. R. K. Helphenstine, Jr. 27 p. 1938.
490. Soil erosion in the karst lands of Kentucky. Physiographic conditions affecting erosion and land use in areas underlain by soluble limestone. S. N. Dicken and H. B. Brown, Jr. 62 p. 1938.
491. Grass culture and range improvement in the central and southern Great Plains. D. A. Savage. 56 p. 1939.
492. Pecan soils of the Gulf and Southeastern States and maintenance of their fertility. J. J. Skinner, E. D. Fowler, and A. O. Alben. 24 p. 1938.

493. The Earlaine potato, a new early variety. C. F. Clark and F. J. Stevenson. 6 p. 1938.
494. The Texas leaf-cutting ant and its control. E. V. Walter, Lee Seaton, and A. A. Mathewson. 19 p. 1938.
495. The sweetpotato leaf beetle. Loyd W. Brannon. 10 p. 1938.
496. Time of irrigating potatoes as affecting stolon growth and tuber set and development. W. C. Edmundson. 18 p. 1938.
497. Composition of the rhizome, stem, and leaf of some horticultural forms of canna in relation to their possible use. C. W. Culpepper and H. H. Moon. 22 p. 1938.
498. Effect of potash on grade, shape, and yield of certain varieties of sweetpotatoes grown in South Carolina. Victor R. Boswell, J. H. Beattie, and J. D. McCowan. 24 p. 1938.
499. A comparative study of suitability for drying purposes in forty varieties of the sweetpotato. Joseph S. Caldwell, Hubert H. Moon, and Charles W. Culpepper. 52 p. 1938.
500. U. S. No. 5 Refugee, a new mosaic-resistant refugee bean. B. L. Wade and W. J. Zaumeyer. 12 p. 1938.
501. Reaction of wheat, barley, and rye varieties to stripe rust in the Pacific Northwest. Wayne M. Bever. 15 p. 1938.
502. Sweetpotato propagation and transplanting studies. J. H. Beattie, Victor R. Boswell, and J. D. McCown. 16 p. 1938.
503. The Sebago potato, a new variety resistant to late blight. F. J. Stevenson and C. F. Clark. 7 p. 1938.
504. Early winter food of ruffed grouse on the George Washington National Forest. A. L. Nelson, Talbott E. Clarke, and W. W. Bailey. 38 p. 1938.
505. Market classes and grades of feeder and stocker cattle. W. O. Fraser and Don J. Slater. 19 p. 1938.
506. Control of the corn earworm on Fordhook lima beans in eastern Virginia. Loyd W. Brannon. 15 p. 1939.
507. Diets of families of employed wage earners and clerical workers in cities. Hazel K. Stiebeling and Esther F. Phipard. 141 p. 1939.
508. The comparative attractiveness of various small grains to the chinch bug. Curtis Benton and W. P. Flint. 8 p. 1938.
509. Mushroom casing soil in relation to yield. Edmund B. Lambert and Harry Humfeld. 12 p. 1939.
510. Air-blast gin performance and maintenance. Arvid J. Johnson and Thomas L. Baggette. 18 p. 1938.
511. Control of black rot of pineapples in transit. C. O. Bratley and A. S. Mason. 12 p. 1939.
512. Longevity of onion seed in relation to storage conditions. J. H. Beattie and Victor R. Boswell. 23 p. 1939.
513. Curly-top-resistant sugar-beet varieties in 1938. Forrest V. Owen, Fred A. Abegg, Albert M. Murphy, Bion Tolman, Charles Price, Finley G. Larmer, and Eubanks Carsner. 10 p. 1939.
514. Differential staining of sections of unpreserved bovine udder tissue affected with mastitis. W. T. Miller and H. W. Johnson. 4 p. 1939.
515. Handling and shipping strawberries without refrigeration. D. F. Fisher and J. M. Lutz. 16 p. 1939.
516. Control of cyclamen and broad mites on gerbera. Floyd F. Smith. 15 p. 1939.
517. The Northstar strawberry. George M. Darrow. 2 p. 1938.
518. Breeding areas and economic distribution of the beet leafhopper in New Mexico, southern Colorado, and western Texas. V. E. Romney. 15 p. 1939.
519. The tobacco industry in Puerto Rico. Charles E. Gage. 54 p. 1939.
520. Wildlife of the Atlantic coast salt marshes. W. L. McAtee. 28 p. 1939.
521. Studies of gaps in sugarcane rows and their effect upon yield under Louisiana conditions. George Arceneaux and I. E. Stokes. 20 p. 1939.
522. A soft cheese of the Bel Paese type. Robert R. Farrar. 19 p. 1939.
523. Toxicity of certain organic insecticides to codling moth larvae in laboratory tests. E. H. Siegler, F. Munger, and L. E. Smith. 10 p. 1939.
524. Determination of slaughter-steer grades from weights and measurements. Bradford Knapp, Jr. 8 p. 1939.
525. Artificial insemination of chickens and turkeys. William H. Burrows and Joseph P. Quinn. 13 p. 1939.
526. Orach, its culture and use as a greens crop in the Great Plains region. M. F. Babb and James E. Kraus. 23 p. 1939.
527. Large-scale organization in the dairy industry. R. K. Froker, A. W. Colebank, and A. C. Hoffman. 68 p. 1939.
528. New chrysanthemums. Furman Lloyd Mulford. 8 p. 1939.
529. Food habits of prairie dogs. Leon H. Kelso. 15 p. 1939.
530. The vegetable weevil. M. M. High. 26 p. 1939.
531. Variety tests of sugarcanes in Louisiana during the crop year 1936-37 and summary of annual results, 1935-37. George Arceneaux, C. C. Krumbhaar, and R. T. Gibbens, Jr. 27 p. 1939.
532. Production of hogs suitable for Wiltshire sides. R. E. Hutton and E. Z. Russell. 35 p. 1939.
533. Results of tomato variety tests in the Great Plains region. M. F. Babb and James E. Kraus. 12 p. 1939.
534. *Lespedeza sericea* and other perennial lespedezas for forage and soil conservation. A. J. Pieters. 44 p. 1939.
535. A vascular wilt of the mimosa tree (*Albizzia julibrissin*). George H. Hepting. 11 p. 1939.
536. The annual lespedezas as forage and soil-conserving crops. A. J. Pieters. 56 p. 1939.
537. Early Cheyenne pie pumpkin. LeRoy Powers. 4 p. 1939.
538. Some factors affecting survival, growth, and selection of lambs. Ralph W. Phillips and W. M. Dawson. 18 p. 1940.
539. Trading for others in commodity futures. 29 p. 1939.
540. Cotton-tillage studies on Red Bay sandy loam. John W. Randolph, I. F. Reed, and E. D. Gordon. 55 p. 1940.

541. Estimating weights of lambs at a constant age. Ralph W. Phillips and G. W. Brier. 16 p. 1940.
542. Two new varieties of almond: The Jordanolo and the Harpareil. Milo N. Wood. 13 p. 1939.
543. Two rapid methods for estimating fineness and cross-sectional variability of wool. J. I. Hardy and H. W. Wolf. 16 p. 1939.
544. Methods of ventilating wheat in farm storages. C. F. Kelly. 74 p. 1940.
545. Pecan grafting methods and waxes. B. G. Sitton. 31 p. 1940.
546. Putting down and developing wells for irrigation. Carl Rohwer. 86 p. 1940.
547. Feeding habits of the adult Japanese beetle. I. M. Hawley and F. W. Metzger. 31 p. 1940.
548. The farm real estate situation, 1936–37, 1937–38, and 1938–39. M. M. Regan. 42 p. 1939.
549. Proximate composition of American food materials. Charlotte Chatfield and Georgian Adams. 91 p. 1940.
550. S×P cotton in comparison with Pima. T. H. Kearney, R. H. Peebles, and E. Gordon Smith. 15 p. 1940.
551. The basis for treatment of products where fruitflies are involved as a condition for entry into the United States. A. C. Baker. 8 p. 1939.
552. Seven new peaches and a new plum for the Western States. W. F. Wight. 23 p. 1940.
553. Handling and storing small lots of dates at home. William R. Barger. 12 p. 1940.
554. Honey and pollen plants of the United States. Everett Oertel. 64 p. 1939.
555. Fumigation of vetch seed for the vetch bruchid. A. C. Johnson, J. S. Pinckney, J. W. Bulger, and A. M. Phillips. 11 p. 1940.
556. Flower spot disease of cultivated azaleas. Freeman Weiss and Floyd F. Smith. 28 p. 1940.
557. Cost of producing white pine lumber in New England. Victor S. Jensen, C. Edward Behre, and A. O. Benson. 40 p. 1940.
558. Processing seed of grasses and other plants to remove awns and appendages. John L. Schwendiman, Roland F. Sackman, and A. L. Hafenrichter. 16 p. 1940.
559. Review and discussion of literature pertinent to crop rotations for erodible soils. C. R. Enlow. 51 p. 1939.
560. Rate of growth by dairy calves and heifers on different rations. R. R. Graves, J. R. Dawson, D. V. Kopland, J. A. Simms, A. G. Van Horn, and S. L. Cathcart. 23 p. 1940.
561 Importation, rearing, and colonization of parasites of the oriental fruit moth. H. W. Allen, J. K. Holloway, and G. J. Haeussler. 62 p. 1940.
562. Maintaining identity and pure seed of southern oat varieties. T. R. Stanton. 20 p. 1940.
563. Relation of the depth to which the soil is wet at seeding time to the yield of spring wheat on the Great Plains. John S. Cole and O. R. Mathews. 20 p. 1940.
564. Dry land crops at the Dalhart (Texas) field station. O. R. Matthews and B. F. Barnes. 68 p. 1940.
565. Austrian Winter field pea diseases and their control in the South. J. L. Weimer. 16 p. 1940.
566. The ripening and repacking of mature-green tomatoes. R. C. Wright and E. A. Gorman, Jr. 8 p. 1940.
567. Artificial insemination in livestock breeding. W. V. Lambert and Fred F. McKenzie. 68 p. 1940.
568. Factors influencing the use of some common insecticide-dispersing agents. Lynn H. Dawsey. 10 p. 1940.
569. Market classes and grades of swine. Don J. Slater. 36 p. 1940.
570. Influence of inbreeding and other factors on litter size in Chester White swine. H. O. Hetzer, W. V. Lambert, and J. H. Zeller. 11 p. 1940.
571. Chinese cabbage varieties, their classification description, and culture in the central Great Plains. James E. Kraus. 20 p. 1940.
572. Life history and control of the imported willow leaf beetle. Clifford E. Hood. 10 p. 1940.
573. Bacterial wilt of alfalfa and its control. Fred R. Jones. 8 p. 1940.
574. Studies on the "raisining" of Alexandria (Muscat) grapes in transit. C. E. Asbury, C. O. Bratley, and W. R. Barger. 11 p. 1940.
575. Control of the Mormon cricket by the use of poisoned bait. F. T. Cowan and H. J. Shipman. 16 p. 1940.
576. The use of chlorine gas as a seed disinfectant. R. W. Leukel and O. A. Nelson. 16 p. 1940.
577. Citrus fruit products. E. M. Chace, H. W. von Loesecke, and J. L. Heid. 47 p. 1940.
578. Production and agricultural use of ammonium sulfate. C. C. Fletcher, Albert R. Merz, and B. E. Brown. 15 p. 1940.
580. Some factors affecting the progeny testing of rams. Ralph W. Phillips, R. G. Schott, W. V. Lambert, and G. W. Brier. 18 p. 1940.
585. Ramie fiber production. Brittain B. Robinson. 15 p. 1940.
588. Soil losses from cultivated strips in strip-cropped fields in the Ohio Valley Region. R. W. Gerdel. 24 p. 1940.
589. The Atlantic, Pemberton, and Burlington blueberries. George M. Darrow and J. H. Clark. 8 p. 1940.
590. A rapid method for projecting and measuring cross sections of wool fibers. James O. Grandstaff and Walter L. Hodde. 11 p. 1940.
592. Machinery for growing corn. C. K. Shedd, J. B. Davidson, and E. V. Collins. 30 p. 1940.
594. The use of traps against the Japanese beetle. Walter E. Fleming, Emory D. Burgess, and Warren W. Maines. 12 p. 1940.
597. The Maytime, Starbright, and Redstar strawberries. George M. Darrow. 5 p. 1940.

NOTE.—Numbers omitted have not been issued. (December 31, 1940.)

FARMERS' BULLETINS

1753. Livestock for small farms. Ralph Erskine. 33 p. 1936.
1754. Care and repair of mowers and binders. W. R. Humphries. 21 p. 1936.
1755. Issued in 1935.
1756. Selection of lumber for farm and home building. C. V. Sweet and R. P. A. Johnson. 46 p. 1936.
1757. Diets to fit the family income. Rowena Schmidt Carpenter and Hazel K. Stiebeling. 38 p. 1936.
1758. Cover crops for soil conservation. Walter V. Kell and Roland McKee. 14 p. 1936.
1759. Game management on the farm. J. N. Darling, H. P. Sheldon, and Ira N. Gabrielson. 22 p. 1936.
1760. The use of bluegrass sod in the control of soil erosion. R. E. Uhland. 13 p. 1936.
1761. Harvesting with combines. W. M. Hurst and W. R. Humphries. 37 p. 1936.
1762. Home canning of fruits, vegetables, and meats. Louise Stanley and Mabel C. Stienbarger. 38 p. 1936.
1763. Harvesting and handling citrus fruits in the Gulf States. J. R. Winston. 38 p. 1937.
1764. Growing and feeding grain sorghums. J. H. Martin, J. S. Cole, and A. T. Semple. 46 p. 1936.
1765. Guides for buying sheets, blankets, and bath towels. Bess M. Viemont, Margaret B. Hays, and Ruth O'Brien. 28 p. 1936.
1766. Game laws for the season 1936–37. A summary of Federal, State, and provincial statutes. H. P. Sheldon and Frank G. Grimes. 38 p. 1936.
1767. Soil defense in the Piedmont. E. M. Rowalt. 63 p. 1937.
1768. Trapping and transplanting live beavers. Leo K. Couch. 18 p. 1937.
1769. Dairy cattle judging. A. B. Nystrom. 30 p. 1937.
1770. High-grade timothy and clover hay. Methods of producing, baling, and loading for market. E. O. Pollock and W. H. Hosterman. 17 p. 1937.
1771. Preventing soil blowing on the southern Great Plains. E. F. Chilcott. 29 p. 1937.
1772. Use of concrete on the farm. T. A. H. Miller.. 60 p. 1937.
1773. Soil and water conservation in the Pacific Northwest. E. M. Rowalt. 59 p. 1937.
1774. The farmer looks ahead. Bureau of Agricultural Economics. 16 p. 1937.
1775. Homemade bread, cake, and pastry. Florance B. King and Adelle B. Freeman. 30 p. 1937.
1776. Strip cropping for soil conservation. Walter V. Kell and Grover F. Brown. 37 p. 1937.
1777. Diseases of fur animals. J. E. Shillinger. 22 p. 1937.
1778. Fabrics and designs for children's clothes. Clarice Louisba Scott and Margaret Smith. 23 p. 1937.
1779. Beef-cattle breeds for beef and for beef and milk. W. H. Black. 21 p. 1937.
1780. How to fight the chinch bug. C. M. Packard and Curtis Benton. 22 p. 1937.
1781. Diseases of upland game birds. J. E. Shillinger and L. C. Morley. 34 p. 1937.
1782. Indicators of southwestern range conditions. M. W. Talbot. 35 p. 1937.
1783. Feeding wildlife in winter. Wallace B. Grange. 21 p. 1937.
1784. Nitrogen fixing bacteria and legumes. Lewis T. Leonard. 14 p. 1937.
1785. Muscadine grapes. Charles Dearing. 37 p. 1938.
1786. Fireproofing fabrics. Martin Leatherman. 9 p. 1937.
1787. Internal parasites of swine. Benjamin Schwartz. 46 p. 1937.
1788. Wildlife conservation through erosion control in the Piedmont. Ross O. Stevens. 26 p. 1937.
1789. Terracing for soil and water conservation. C. L. Hamilton. 60 p. 1938.
1790. The Nichols terrace: An improved channel-type terrace for the Southeast. Jerome J. Henry and M. L. Nichols. 13 p. 1937.
1791. Farm production of sorgo sirup. C. F. Walton, Jr., E. K. Ventre, and S. Byall. 40 p. 1938.
1792. Hospitals for rural communities. Blanche Halbert. 42 p. 1937.
1793. Flaxseed production in the Far Western States. A. C. Dillman and L. Gordon Goar. 22 p. 1937.
1794. Forest farming. Forest Service. 18 p. 1938.
1795. Conserving Corn Belt soil. Glenn K. Rule. 59 p. 1937.
1796. Handling and preparing the Kieffer pear for use as food. C. W. Culpepper, J. M. Lutz, and H. H. Moon. 16 p. 1938.
1797. Implements and methods of tillage to control soil blowing on the northern Great Plains. John S. Cole and George W. Morgan. 21 p. 1938.
1798. Control of common white grubs in cereal and forage crops. Philip Luginbill. 20 p. 1938.
1799. Blue mold (downy mildew) disease of tobacco. E. E. Clayton and J. G. Gaines. 16 p. 1938.
1800. Home-made jellies, jams, and preserves. Fanny Walker Yeatman and Mabel C. Stienbarger. 18 p. 1938.
1801. Making lime on the farm. N. A. Kessler. 21 p. 1938.
1802. Modernizing cotton gins. Charles A. Bennett, T. L. Baggette, and F. L. Gerdes. 52 p. 1938.
1803. Culture and pests of field peas. Roland McKee and H. A. Schoth. 16 p. 1938.
1804. Community buildings for farm families. Blanche Halbert. 41 p. 1938.
1805. Grading wool. James W. Christie. 24 p. 1938.
1806. Hard red winter wheat varieties. K. S. Quisenberry and J. Allen Clark. 18 p. 1938.
1807. Lamb and mutton on the farm. K. F. Warner. 25 p. 1938.
1808. Rice culture in the Southern States. Jenkin W. Jones, J. Mitchell Jenkins, R. H. Wyche, and Martin Nelson. 29 p. 1938.
1809. Soil defense in the South. E. M. Rowalt. 64 p. 1938.
1810. Soil defense in the Northeast. Glenn K. Rule. 70 p. 1938.
1811. Control of insects attacking grain in farm storage. R. T. Cotton. 14 p. 1938.
1812. Native and adapted grasses for conservation of soil and moisture in the Great Plains and Western States. M. M. Hoover. 44 p. 1939.
1813. Prevention and control of gullies. Hans G. Jepson. 60 p. 1939.

1814. Terrace outlets and farm drainageways. C. L. Hamilton. 46 p. 1939.
1815. Grading dressed turkeys. Thomas W. Heitz. 36 p. 1938.
1816. Mechanizing the corn harvest. Claude K. Shedd and Edgar V. Collins. 13 p. 1938.
1817. Growing wheat in the eastern United States. S. C. Salmon and J. W. Taylor. 59 p. 1939.
1818. Mechanical milk cooling on farms. J. R. McCalmont. 21 p. 1938.
1819. Infectious anemia (swamp fever). William S. Gochenour, Clarence D. Stein, and Oswald L. Osteen. 10 p. 1938.
1820. Silo types and construction. J. R. McCalmont. 62 p. 1939.
1821. Containers for fruits and vegetables. L. C. Carey. 64 p. 1939.
1822. Seed corn. Merle T. Jenkins. 14 p. 1939.
1823. Reseeding range lands of the Intermountain region. George Stewart, R. H. Walker, and Raymond Price. 25 p. 1939.
1824. The Black Hills beetle, a serious enemy of Rocky Mountain pines. J. A. Beal. 22 p. 1939.
1825. Sand-dune reclamation in the southern Great Plains. Charles J. Whitfield and John A. Perrin. 13 p. 1939.
1826. Care of ornamental trees and shrubs. Furman Lloyd Mulford. 80 p. 1939.
1827. Culture and diseases of delphiniums. Furman Lloyd Mulford and Freeman Weiss. 12 p. 1939.
1828. Grasshoppers and their control. J. R. Parker. 38 p. 1939.
1829. Insects and diseases of the pecan and their control. G. F. Moznette, C. B. Nickels, W. C. Pierce, T. L. Bissell, J. B. Demaree, J. R. Cole, H. E. Parson, and John R. Large. 70 p. 1940.
1830. Cooperative dairy bull associations. Joel G. Winkjer. 17 p. 1939.
1831. Judging fabric quality. Bess Viemont Morrison. 22 p. 1939.
1832. Farm fences. M. A. R. Kelley. 58 p. 1940.
1833. Crops against the wind on the southern Great Plains. Glenn K. Rule. 74 p. 1939.
1834. House cleaning management and methods. Carol Willis Moffett. 22 p. 1940.
1835. Growing buckwheat. K. S. Quisenberry and J. W. Taylor. 17 p. 1939.
1836. Saving soil with soil in the Ohio Valley region. Kenneth Welton. 29 p. 1939.
1837. Cotton shirts for men and boys. Margaret Smith. 14 p. 1939.
1838. Electric light for the farmstead. Bureaus of Agricultural Chemistry and Engineering and Home Economics. 61 p. 1940.
1839. The uses of alfalfa. H. L. Westover and W. H. Hosterman. 36 p. 1940.
1840. Kudzu for erosion control in the Southeast. R. Y. Bailey. 32 p. 1939.
1841. The feeding of chickens. Harry W. Titus. 22 p. 1939.
1842. Production of hops. G. R. Hoerner and Frank Rabak. 41 p. 1940.
1843. Potato production in the Western States. W. C. Edmundson. 28 p. 1940.
1844. The culture and use of sorghums for forage. J. H. Martin and J. C. Stephens. 42 p. 1940.
1845. The liming of soils. Edmund C. Shorey. 26 p. 1940.
1846. Supplemental irrigation. F. E. Staebner. 74 p. 1940.
1847. Rural library service. Bureau of Agricultural Economics. 28 p. 1940.
1848. Soil defense in the Pacific Southwest. Glen K. Rule and Ralph W. Netterstrom. 55 p. 1940.
1849. Useful and ornamental gourds. W. R Beattie. 14 p. 1940.
1850. The armyworm and its control. W. R. Walton and C. M. Packard. 12 p. 1940.
1851. Women's dresses and slips: A buying guide. Clarice Louisba Scott. 22 p. 1940.
1852. Lespedeza culture and utilization. Roland McKee. 14 p. 1940.
1854. Diseases of rice. E. C. Tullis. 18 p. 1940.
1855. Culture, diseases, and pests of the box tree. Freeman Weiss and L. C. Baumhofer. 18 p. 1940.
1856. The Japanese beetle and its control. C. H. Hadley. 23 p. 1940.
1857. Small irrigation pumping plants. Carl Rohwer and M. R. Lewis. 30 p. 1940.
1858. Electric motors for the farm. Harry L. Garver, O. A. Brown, J. T. Bowen, and R. B. Gray. 29 p. 1940.
1859. Stock-water developments: Wells, springs, and ponds. C. L. Hamilton and Hans G. Jepson. 70 p. 1940.
1862. Vegetable and seed treatments. R. J. Haskell and S. P. Doolittle. 16 p. 1940.
1865. Closets and storage spaces. Elma Edwards. 22 p. 1940.

Note.—Numbers omitted have not been issued. (December 31, 1940.)

JOURNAL OF AGRICULTURAL RESEARCH SEPARATES

DEPARTMENT SERIES

A–168. Extent of vertical migration of horse strongyle larvae in soils of different types. John T. Lucker. Vol. 52, No. 5. March 1, 1936.
A–169. Chronic progressive pneumonia of sheep, with particular reference to its etiology and transmission. G. T. Creech and W. S. Gochenour. Vol. 52, No. 9. May 1, 1936.
A–170. Nutritive value of the protein in calf lungs, cow udders, and hog spleens. Ralph Hoagland and George G. Snider. Vol. 53, No. 5. September 1, 1936.
A–171. Effect of diet, range, and fattening on the physical and chemical composition of cockerels. H. M. Harshaw. Vol. 53, No. 5. September 1, 1936.
A–172. Effect of packing-house byproducts, in the diet of chickens, on the production and hatchability of eggs. Harry W. Titus, T. C. Byerly, N. R. Ellis, and R. B. Nestler. Vol. 53, No. 6. September 15, 1936.
A–173. Morphological and chemical studies of the blood of cattle in health and during anaplasmosis. Charles W. Rees and Maurice W. Hale. Vol. 53, No. 7. October 1, 1936.
A–174. Distribution of hog-cholera virus among fractions of virus blood. Wilmer C. Powick. Vol. 54, No. 3. February 1, 1937.
A–175. A criterion for testing the accuracy of trap-nest records. Walter A. Hendricks. Vol. 54, No. 6. March 15, 1937.

318215—41——2

A–176. Effect of incubation temperature on time of death of chick embryo and relationship of energy metabolism to mortality. Emma M. Pringle and H. G. Barott. Vol. 54, No. 6. March 15, 1937.

A–177. Alfalfa leaf meal as a source of vitamin A for growing chickens. Burt W. Heywang and Harry W. Titus. Vol. 54, No. 8. April 15, 1937.

A–178. Comparison of cod-liver oil and ultraviolet irradiation as sources of vitamin D for confined laying hens. Ralph B. Nestler. Vol. 54, No. 8. April 15, 1937.

A–179. The comparative value of cod-liver oil alone and in combination with irradiated ergosterol as a source of vitamin D for confined laying hens. Ralph B. Nestler. Vol. 56, No. 3. February 1, 1938.

A–180. Resistance of chicken embryos to mechanical disturbances. Marlow W. Olsen and Theodore C. Byerly. Vol. 56, No. 3. February 1, 1938.

A–181. Correlation of body measurements of slaughter steers with rate and efficiency of gain and with certain carcass characteristics. W. H. Black, Bradford Knapp, Jr., and A. C. Cook. Vol. 56, No. 6. March 15, 1938.

A–182. Toxicity of selenium fed to swine in the form of sodium selenite. W. T. Miller and H. W. Schoening. Vol. 56, No. 11. June 1, 1938.

A–183. Effect of percentage of protein in the diet on growth and feed utilization of male chickens. John C. Hammond, Walter A. Hendricks, and Harry W. Titus. Vol. 56, No. 11. June 1, 1938.

A–184. Vertical migration, distribution, and survival of infective horse strongyle larvae developing in feces buried in different soils. John T. Lucker. Vol. 57, No. 5. September 1, 1938.

A–185. Preservation of cyanogenetic plants for chemical analysis. Reinhold R. Briese and James F. Couch. Vol. 57, No. 2. July 15, 1938.

A–186. Effect of infestation with the nematode *Cooperia curticei* on the nutrition of lambs. John S. Andrews. Vol. 57, No. 5. September 1, 1938.

A–187. Interpretation of Mendelian class frequencies. Walter A. Hendricks, Joseph P. Quinn, and Albert B. Godfrey. Vol. 58, No. 10. May 15, 1939.

A–188. Experimental trichostrongylosis in sheep and goats. John S. Andrews. Vol. 58, No. 10. May 15, 1939.

A–189. Life history of the nematode *Cooperia curticei*, and development of resistance in sheep. John S. Andrews. Vol. 58, No. 10. May 15, 1939.

A–190. Bactericidal efficiency of certain aniline dyes. F. W. Tilley. Vol. 58, No. 12. June 15, 1939.

A–191. Significance of variation in ham conformation. R. L. Hiner and O. G. Hankins. Vol. 59, No. 4. August 15, 1939.

A–192. Sporulation and viability of oöcysts of *Eimeria arloingi* from the domestic sheep. John F. Christensen. Vol. 59, No. 7. October 1, 1939.

A–193. Experimental transmission of bovine venereal trichomoniasis. Charles W. Rees and George G. Garlick. Vol. 59, No. 10. November 15, 1939.

A–194. Minimum lethal dose of selenium, as sodium selenite, for horses, mules, cattle, and swine. W. T. Miller and K. T. Williams. Vol. 60, No. 3. February 1, 1940.

A–195. Comparison of the accuracy of two methods of estimating fineness of wool fibers. Ralph W. Phillips, R. G. Schott, J. I. Hardy, and H. W. Wolf. Vol. 60, No. 5. March 1, 1940.

A–196. Ineffectiveness of proprietary remedies and other drugs in the control of Bang's disease, with special reference to "3-V tonic" and "Bowman's." Vol. 60, No. 8. April 15, 1940.

A–197. Effect of feeding repeated small doses of selenium as sodium selenite to equines. W. T. Miller and K. T. Williams. Vol. 61, No. 5. September 1, 1940.

A–198. Feathering, growth, feed consumption, and rachitogenesis in chicks as influenced by the kind of grain in the diet. H. L. Wilcke and John C. Hammond. Vol. 61, No. 5. September 1, 1940.

A–199. Factors influencing length of gestation and birth weight in cattle. Bradford Knapp, Jr., W. V. Lambert, and W. H. Black. Vol. 61, No. 4. August 15, 1940.

E–66. The effect of different colloidal soil materials on the toxicity of calcium arsenate to millet. Philip L. Gile. Vol. 52, No. 7. April 1, 1936.

E–67. The ammoniation of waste sulphite liquor and its possible utilization as a fertilizer material. M. Phillips, M. J. Goss, B. E. Brown, and F. R. Reid. Vol. 53, No. 3. August 1, 1936.

E–68. The physiology of *Rhizopus oryzae*. L. B. Lockwood, G. E. Ward, and O. E. May. Vol. 53, No. 11. December 1, 1936.

E–69. Losses of organic substance in the spontaneous heating of alfalfa hay. E. J. Hoffman and M. A. Bradshaw. Vol. 54, No. 3. February 1, 1937.

E–70. Selenium in plants in relation to its occurrence in soils. John T. Miller and Horace G. Byers. Vol. 55, No. 1. July 1, 1937.

E–71. Distribution and variation with maturity of dissolved solids, sucrose and titratable acidity in the sorgo stalk. Emil K. Ventre and S. Byall. Vol. 55, No. 8. October 15, 1937.

E–72. A measure of toxicity in plant studies. Philip L. Gile. Vol. 56, No. 10. May 15, 1938.

E–73. Effect of different soil colloids and whole soils on the toxicity of sodium selenate to millet. Philip L. Gile, Hubert W. Lakin, and Horace G. Byers. Vol. 57, No. 1. July 1, 1938.

E–74. Determination and occurrence of boron in natural phosphates, superphosphates, and defluorinated phosphate rocks. Lewis F. Rader, Jr., and W. L. Hill. Vol. 57, No. 12. December 15, 1938.

E–75. Seasonal variation in tannin content of *Lespedeza sericea*. I. D. Clarke, R. W. Frey, and H. L. Hyland. Vol. 58, No. 2. January 15, 1939.

E–76. Effect of temperature of digestion, chemical composition, and size of particles on production of fuel gas from farm wastes. G. H. Nelson, Robert P. Straka, and Max Levine. Vol. 58, No. 4. February 15, 1939.

E–77. Effect of various grades of fertilizers on the salt content of the soil solution. Lawrence M. White and William H. Ross. Vol. 59, No. 2. July 15, 1939.

E–78. Jellying and crystallization of syrups made from different parts of the sorgo stalk at different stages of maturity. Emil K. Ventre, S. Byall, and C. F. Walton, Jr. Vol. 59, No. 2. July 15, 1939.

E–79. Composition of the various parts of the oat plant at successive stages of growth, with special reference to the formation of lignin. Max Phillips, M. J. Goss, B. L. Davis, and H. Stevens. Vol. 59, No. 5. September 1, 1939.
E–80. Amino acids in the corn kernel. Frank A. Csonka. Vol. 59, No. 10. November 15, 1939.
E–81. Effects of low topping and diastatic malt extract on composition and quality of sorgo sirup. C. F. Walton, Jr., E. K. Ventre, and S. Byall. Vol. 60, No. 6. March 15, 1940.
E–82. Hemicelluloses of alfalfa hay. Max Phillips and B. L. Davis. Vol. 60, No. 11. June 1, 1940.
E–83. Hemicelluloses of wheat straw. H. D. Weihe and Max Phillips. Vol. 60, No. 11. June 1, 1940.
E–84. Thermal decomposition of undercured alfalfa hay in its relation to spontaneous ignition. E. J. Hoffman. Vol. 61, No. 4. August 15, 1940.
E–85. Nutrient value of the phosphorus in defluorinated phosphate, calcium metaphosphate, and other phosphatic materials as determined by growth of plants in pot experiments. K. D. Jacob and William H. Ross. Vol. 61, No. 7. October 1, 1940.
E–86. The growth of halophilic bacteria in concentrations of sodium chloride above three molar. L. S. Stuart. Vol. 61, No. 4. August 15, 1940.
E–87. Effect of protein concentration and cysteine on growth of halophilic bacteria. L. S. Stuart. Vol. 61, No. 4. August 15, 1940.
F–77. Scribner volume tables for cut-over stands of ponderosa pine in Arizona. Ezra M. Hornibrook. Vol. 52, No. 12. June 15, 1936.
F–78. Lethal high temperatures for conifers, and the cooling effect of transpiration. Hardy L. Shirley. Vol. 53, No. 4. August 15, 1936.
F–79. Effect of stand density on mortality and growth of loblolly pine. E. M. Simmons and G. Luther Schnur. Vol. 54, No. 1. January 1, 1937.
F–80. Effect of climate on timber-growth fluctuations. Francis X. Schumacher and H. Arthur Meyer. Vol. 54, No. 2. January 15, 1937.
F–81. The influence of rainfall upon tuft area and height growth of three semidesert range grasses in southern Arizona. Paul B. Lister and Francis X. Schumacher. Vol. 54, No. 2. January 15, 1937.
F–82. Construction of yield tables for nonnormal loblolly pine stands. Arland L. MacKinney, Francis X. Schumacher, and Leon E. Chaiken. Vol. 54, No. 7. April 1, 1937.
F–83. A comparison of some methods used in determining percentage utilization of range grasses. Joseph F. Pechanec and G. D. Pickford. Vol. 54, No. 10. May 15, 1937.
F–84. A simplified method of constructing merchantable board-foot volume tables. R. H. Blythe, Jr. Vol. 55, No. 3. August 1, 1937.
F–85. Growth prediction and site determination in uneven-aged timber stands. William A. Duerr and S. R. Gevorkiantz. Vol. 56, No. 2. January 15, 1938.
F–86. Factors influencing the discovery of forest fires by lookout observers. Charles C. Buck. Vol. 56, No. 4. February 15, 1938.
F–87. Rate of spread of surface fires in the ponderosa pine type of California. John R. Curry and Wallace L. Fons. Vol. 57, No. 4. August 15, 1938.
F–88. Sampling error in timber surveys. A. A. Hasel. Vol. 57, No. 10. November 15, 1938.
F–89. The anatomy of spruce needles. Herbert F. Marco. Vol. 58, No. 5. March 1, 1939.
F–90. Influence of moisture supply on drought resistance of conifers. Hardy L. Shirley and Lloyd J. Meuli. Vol. 59, No. 1. July 1, 1939.
F–91. A three-dimensional lattice design for studies in forest genetics. Besse B. Day and Lloyd Austin. Vol. 59, No. 2. July 15, 1939.
F–92. Evidences of racial influence in a 25-year test of ponderosa pine. R. H. Weidman. Vol. 59, No. 12. December 15, 1939.
F–93. Influence of unrestricted grazing on northern salt desert plant associations in western Utah. George Stewart, W. P. Cottam, and Selar S. Hutchings. Vol. 60, No. 5. March 1, 1940.
F–94. Effect of certain chemical attributes of vegetation on forest inflammability. Leon W. Richards. Vol. 60, No. 12. June 15, 1940.
G–987. Some storage diseases of grapefruit. Charles Brooks and Lacy P. McColloch. Vol. 52, No. 5. March 1, 1936.
G–988 and G–989 issued in 1935.
G–990. Life history of *Agamermis decaudata*, a nematode parasite of grasshoppers and other insects. J. R. Christie. Vol. 52, No. 3. February 1, 1936.
G–991. Chemical composition of juice from Louisiana sugarcane injured by the sugarcane borer and the red rot disease. Nelson McKaig, Jr., and C. A. Fort. Vol. 52, No. 1. January 1, 1936.
G–992. Reaction of oat varieties to physiologic races of loose and covered smuts of red oats. George M. Reed and T. R. Stanton. Vol. 52, No. 1. January 1, 1936.
G–993. Water soaking of leaves in relation to development of the wildfire disease of tobacco. E. E. Clayton. Vol. 52, No. 4. February 15, 1936.
G–994. Widespread occurrence and origin of fatuoids in Fulghum oats. F. A. Coffman and J. W. Taylor. Vol. 52, No. 2. January 15, 1936.
G–995. Modification of a Mendelian ratio in maize by pollen treatments. J. H. Kempton. Vol. 52, No. 2. January 15, 1936.
G–996. Inheritance of some major color types in beets. Wesley Keller. Vol. 52, No. 1. January 1, 1936.
G–997. Chromosome differences in a wheat-rye amphidiploid. V. H. Florell. Vol. 52, No. 3. February 1, 1936.
G–998. Origin and production of morphologic and pathogenic strains of the oat smut fungi by mutation and hybridization. C. S. Holton. Vol. 52, No. 4. February 15, 1936.
G–999. Three blue-staining fungi, including two new species, associated with bark beetles. Caroline T. Rumbold. Vol. 52, No. 6. March 15, 1936.
G–1000 Errors of routine analysis for percentage of sucrose and apparent purity coefficient with sugar beets taken from field experiments. F. R. Immer and E. L. LcClerg. Vol. 52, No. 7. April 1, 1936.

G–1001. Black chaff disease of wheat. R. H. Bamberg. Vol. 52, No. 6. March 15, 1936.
G–1002. Availability of the copper of bordeaux mixture residues and its absorption by the conidia of *Sclerotinia fructicola*. M. C. Goldsworthy and E. L. Green. Vol. 52, No. 7. April 1, 1936.
G–1003. Inheritance of chlamydospore characteristics in oat smut fungi. C. S. Holton. Vol. 52, No. 7. April 1, 1936.
G–1004. Relation of accessory growth substance to heavy metals, including molybdenum, in the nutrition of *Aspergillus niger*. Robert A. Steinberg. Vol. 52, No. 6. March 15, 1936.
G–1005. Influence of temperature and other factors on the morphology of the wheat seedling. J. W. Taylor and M. A. McCall. Vol. 52, No. 8. April 15, 1936.
G–1006. Crown and root development in wheat varieties. R. B. Webb and D. E. Stephens. Vol. 52, No. 8. April 15, 1936.
G–1007. Penetration of *Trichoderma lignorum* into sapwood of *Pinus taeda*. Mae Spradling. Vol. 52, No. 7. April 1, 1936.
G–1008. Relative resistance to bacterial wilt of certain commercial and selected lots of alfalfa. J. L. Weimer and B. A. Madson. Vol. 52, No. 7. April 1, 1936.
G–1009. Physiological changes in the rind of California oranges during growth and storage. E. M. Harvey and G. L. Rygg. Vol. 52, No. 10. May 15, 1936.
G–1010. Field and storage studies on changes in the composition of the rind of the Marsh grapefruit in California. E. M. Harvey and G. L. Rygg. Vol. 52, No. 10. May 15, 1936.
G–1011. The diurnal cycle of the powdery mildew *Erysiphe polygoni*. Cecil E. Yarwood. Vol. 52, No. 9. May 1, 1936.
G–1012. Host range and physiologic specialization of red clover powdery mildew, *Erysiphe polygoni*. Cecil E. Yarwood. Vol. 52, No. 9. May 1, 1936.
G–1013. Relation of stomatal function of wheat to invasion and infection by leaf rust (*Puccinia triticina*). Ralph M. Caldwell and G. M. Stone. Vol. 52, No. 12. June 15, 1936.
G–1014. Inhibiting effect of sulphur in selenized soil on toxicity of wheat to rats. Annie M. Hurd-Karrer and Mary H. Kennedy. Vol. 52, No. 12. June 15, 1936.
G–1015. Inheritance of resistance to the common mosaic virus in the bean. M. C. Parker. Vol. 52, No. 12. June 15, 1936.
G–1016. Response of certain plants to length of day and temperature under controlled conditions. Robert A. Steinberg and W. W. Garner. Vol. 52, No. 12. June 15, 1936.
G–1017. Effect of carbon dioxide on the carbohydrates and acidity of fruits and vegetables in storage. Erston V. Miller and Oscar J. Dowd. Vol. 53, No. 1. July 1, 1936.
G–1018. Distribution of total soluble solids and catalase in different parts of Jonathan apples. Paul L. Harding. Vol. 53, No. 1. July 1, 1936.
G–1019. Distribution of acetaldehyde and alcohol in the apple fruit. Erston V. Miller. Vol. 53, No. 1. July 1, 1936.
G–1020. Inheritance of complementary dwarfing factors in wheat. V. H. Florell and J. Foster Martin. Vol. 53, No. 2. July 15, 1936.
G–1021. Pea mosaic and its relation to other legume mosaic viruses. W. J. Zaumeyer and B. L. Wade. Vol. 53, No. 3. August 1, 1936.
G–1022. Alfalfa dwarf: A virus disease transmissible by grafting. J. L. Weimer. Vol. 53, No. 5. September 1, 1936.
G–1023. Automatically operated sand-culture equipment. Frank M. Eaton. Vol. 53, No. 6. September 15, 1936.
G–1024. A genetic factor for the annual habit in beets and linkage relationship. F. A. Abegg. Vol. 53, No. 7. October 1, 1936.
G–1025. A seedling wilt of black locust caused by *Phytophthora parasitica*. Edmund B. Lambert and Bowen S. Crandall. Volume 53, No. 6. September 15, 1936.
G–1026. The pH gradient extending from the phloem into the parenchyma of the sugar beet and its relation to the feeding behavior of *Eutettix tenellus*. J. M. Fife and V. L. Frampton. Vol. 53, No. 8. October 15, 1936.
G–1027. Histological and cytological changes in sugar-beet seedlings affected with curly top. Ernst Artschwager and Ruth C. Starrett. Vol. 53, No. 9. November 1, 1936.
G–1028. Further studies on the relation of the curly top virus to plant tissues. C. W. Bennett and Katherine Esau. Vol. 53, No. 8. October 15, 1936.
G–1029. A mosaic disease of iris. Philip Brierley and Frank P. McWhorter. Vol. 33, No. 8. October 15, 1936.
G–1030. A cytological study of *Erysiphe polygoni* on *Delphinium*. Ruth F. Allen. Vol. 53, No. 11. December 1, 1936.
G–1031. Relative susceptibility of certain species of Gramineae to *Cercosporella herpotrichoides*. Roderick Sprague. Vol. 53, No. 9. November 1, 1936.
G–1032. *Zygosaccharomyces pini*, a new species of yeast associated with bark beetles in pines. Eugene C. Holst. Vol. 53. No. 7. October 1, 1936.
G–1033. Influence of environment during maturation on the disease reaction and yield of wheat and barley. B. B. Bayles. Vol. 53, No. 10. November 15, 1936.
G–1034. Variability of fiber length in a relatively uniform strain of cotton. T. R. Richmond and H. J. Fulton. Vol. 53, No. 10. November 15, 1936.
G–1035. Developmental morphology of the caryopsis in maize. L. F. Randolph. Vol. 53, No. 12. December 15, 1936.
G–1036. Intraspecific and interspecific aversion in *Diplodia*. Paul E. Hoppe. Vol. 53, No. 9, November 1, 1936.
G–1037. Sweet orange fruit scab caused by *Elsinoë australis*. Agesliau A. Bitancourt and Anna E. Jenkins. Vol. 54, No. 1. January 1, 1937.
G–1038. Hybrid vigor and growth rates in a maize cross and its reciprocal. G. F. Sprague. Vol. 53, No. 11. December 1, 1936.
G–1039. Nitrogen utilization by *Ophiobolus graminis*. Hurley Fellows. Vol. 53, No. 10. November 15, 1936.
G–1040. Organization of the unwalled ascus in two species of *Ceratostomella*. C. F. Andrus and L. L. Harter. Vol. 54, No. 1. January 1, 1937.
G–1041. Keeping quality of sugar beets as influenced by growth and nutritional factors. F. G. Larmer. Vol. 54, No. 3. February 1, 1937.
G–1042. Influence of stripe rust on growth, water economy, and yield of wheat and barley. Wayne M. Bever. Vol. 54, No. 5. March 1, 1937.

G–1043. A humidity- and temperature-control cabinet for growing plants. C. O. Grandfield and Frank J. Zink. Vol. 54, No. 7. April 1, 1937.
G–1044. Bacterial leaf spot of begonia. Lucia McCulloch. Vol. 54, No. 8. April 15, 1937.
G–1045. Variation in mass isolates and monoconidium progenies of *Ceratostomella ulmi*. James M. Walter. Vol. 54, No. 7. April 1, 1937.
G–1046. Correlation between movement of the curly top virus and translocation of food in tobacco and sugar beet. C. W. Bennett. Vol. 54, No. 7. April 1, 1937.
G–1047. Bulb formation in some American and European varieties of onions as affected by length of day. Roy Magruder and H. A. Allard. Vol. 54, No. 10. May 15, 1937.
G–1048. The time factor in pollen-tube growth and fertilization in barley. Merritt N. Pope. Vol. 54, No. 7. April 1, 1937.
G–1049. A leaf spot disease of red and white clovers. Oliver F. Smith. Vol. 54, No. 8. April 15, 1937.
G–1050. Selenium absorption by crop plants as related to their sulphur requirement. Annie M. Hurd-Karrer. Vol. 54, No. 8. April 15, 1937.
G–1051. Relation of nitrogen to yield of sugar-beet seed and to accompanying changes in composition of the roots. L. M. Pultz. Vol. 54, No. 9. May 1, 1937.
G–1052. Pythium root rot of milo. Charlotte Elliott, L. E. Melchers, C. L. Lefebvre, and F. A. Wagner. Vol. 54, No. 11. June 1, 1937.
G–1053. Morphological characters of teosinte chromosomes. A. E. Longley. Vol. 54, No. 11. June 1, 1937.
G–1054. Observations on the effect of environmental conditions on the structure of the lateral roots in sugar beet. Ernst Artschwager. Vol. 55, No. 2. July 15, 1937.
G–1055. Effect of the dwarf disease on the alfalfa plant. J. L. Weimer. Vol. 55, No. 2. July 15, 1937.
G–1056. Inheritance of resistance to pythium root rot in sorghum. D. H. Bowman, J. H. Martin, L. E. Melchers, and John H. Parker. Vol. 55, No. 2. July 15, 1937.
G–1057. Rhynchosporium scald of barley, rye, and other grasses. Ralph M. Caldwell. Vol. 55, No. 3. August 1, 1937.
G–1058. Growth and development of *Dictyostelium discoideum* with different bacterial associates. Kenneth B. Raper. Vol. 55, No. 4. August 15, 1937.
G–1059. Susceptibility to *Cronartium ribicola* of the four principal *Ribes* species found within the commercial range of *Pinus monticola*. J. L. Mielke, T. W. Childs, and H. G. Lachmund. Vol. 55, No. 5. September 1, 1937.
G–1060. A microchemical colorimetric pH procedure for differentiating the telia of *Cronartium ribicola* and *C. occidentale*. Ruby J. Acree and Warren H. Goss. Vol. 55, No. 5. September 1, 1937.
G–1061. Cross transfer of mineral nutrients in the tobacco plant. J. E. McMurtrey, Jr. Vol. 55, No. 7. October 1, 1937.
G-1062. Physiologic races of *Tilletia tritici* and *T. levis*. H. A. Rodenhiser and C. S. Holton. Vol. 55, No. 7. October 1, 1937.
G–1063. Fusarium resistance in Wisconsin All Seasons cabbage. L. M. Blank. Vol. 55, No. 7. October 1, 1937.
G–1064. Restoration of virulence of attenuated curly top virus by passage through susceptible plants. C. F. Lackey. Vol. 55, No. 6. September 15, 1937.
G–1065. *Mermis subnigrescens*, a nematode parasite of grasshoppers. J. R. Christie. Vol. 55, No. 5. September 1, 1937.
G–1066. Twig lesions as a source of early spring infection by the pear scab organism. J. R. Kienholz and Leroy Childs. Vol. 55, No. 9. November 1, 1937.
G–1067. Comparative reaction of oat varieties in the seedling and maturing stages to physiologic races of *Puccinia graminis avenae*, and the distribution of these races in the United States. M. N. Levine and D. C. Smith. Vol. 55, No. 10. November 15, 1937.
G–1068. Some effects of storage conditions on certain diseases of lemons. Charles Brooks and Lacy P. McColloch. Vol. 55, No. 11. December 1, 1937.
G–1069. Physiologic races of *Ustilago hordei*. V. F. Tapke. Vol. 55, No. 9. November 1, 1937.
G–1070. An example of the ability of *Ribes lacustre* to intensify *Cronartium ribicola* on *Pinus monticola*. J. L. Mielke. Vol. 55, No. 12. December 15, 1937.
G-1071. Production of synthetic mycorhiza in the cultivated cranberry. Henry F. Bain. Vol. 55, No. 11. December 1, 1937.
G–1072. Hopi cotton, a variable species. H. J. Fulton. Vol. 56, No. 5. March 1, 1938.
G–1073. Nematodes infesting red spiderlilies. G. Steiner. Vol. 56, No. 1. January 1, 1938.
G–1074. Relation of certain plant characters to strength of straw and lodging in winter wheat. I. M. Atkins. Vol. 56, No. 2. January 15, 1938.
G–1075. Initial tests of the distance of spread to and intensity of infection on *Pinus monticola* by *Cronartium ribicola* from *Ribes lacustre* and *R. riscosissimum*. T. S. Buchanan and J. W. Kimmey. Vol. 56, No. 1. January 1, 1938.
G–1076. Water soaking of leaves in relation to development of the blackfire disease of tobacco. E. E. Clayton. Vol. 55, No. 12. December 15, 1937.
G–1077. Relation of the curly top virus to the vector, *Eutettix tenellus*. C. W. Bennett and Hugh E. Wallace. Vol. 56, No. 1. January 1, 1938.
G–1078. Role of molybdenum in the utilization of ammonium and nitrate nitrogen by *Aspergillus niger*. Robert A. Steinberg. Vol. 55, No. 12. December 15, 1937.
G–1079. Inheritance of resistance to loose and covered smuts in Markton oat hybrids. George M. Reed and T. R. Stanton. Vol. 56, No. 3. February 1, 1938.
G–1080. Effect of carbon dioxide storage on Bartlett pears under simulated transit conditions. Fisk Gerhardt and Boyce D. Ezell. Vol. 56, No. 2. January 15, 1938.
G–1081. Influence of certain harmful soil constituents on severity of pythium root rot of sugarcane. R. D. Rands and Ernest Dopp. Vol. 56, No. 1. January 1, 1938.
G–1082. Chromosomes of maize from North American Indians. A. E. Longley. Vol. 56, No. 3. February 1, 1938.
G–1083. Establishment and spread of molds and bacteria on cotton roots by seed and seedling inoculation. Marie B. Morrow, James L. Roberts, James E. Adams, H. V. Jordan, and Paul Guest. Vol. 56, No. 3. February 1, 1938.

C–1084. Oxidase and catalase activity of Bartlett pears in relation to maturity and storage. Boyce D. Ezell and Fisk Gerhardt. Vol. 56, No. 5. March 1, 1938.
G–1085. A comparative study of an early, a medium, and a late strain of timothy harvested at various stages of development. Morgan W. Evans, and Lloyd E. Thatcher. Vol. 56, No. 5. March 1, 1938.
C–1086. Respiration and exidase and catalase activity of apple and pear fruits. Boyce D. Ezell and Fisk Gerhardt. Vol. 56, No. 5. March 1, 1938.
G–1087. Spotting of figs on the market. Charles Brooks and L. P. McColloch. Vol. 56, No. 7. April 1, 1938.
G–1088. Quality studies in the wheat-breeding program at the Minnesota Agricultural Experiment Station. E. R. Ausemus, M. C. Markley, C. H. Bailey, and H. K. Hayes. Vol. 56, No. 6. March 15, 1938.
G–1089. Effect of low concentrations of copper on germination and growth of conidia of *Sclerotinia fructicola* and *Glomerella cingulata*. M. C. Goldsworthy and E. L. Green. Vol. 56, No. 7. April 1, 1938.
G–1090. The origin of lint and fuzz hairs of cotton. A. G. Lang. Vol. 56, No. 7. April 1, 1938.
G–1091. A streak disease of peas and its relation to several strains of alfalfa mosaic virus, W. J. Zaumeyer. Vol. 56, No. 10. May 15, 1938.
G–1092. Influence of certain environmental conditions on congestion of starch in tomato plant stems. Arthur C. Foster and Everett C. Tatman. Vol. 56, No. 12. June 15, 1938.
G–1093. Two distinct strains of the nematode *Aphelenchoides fragariae* occurring on strawberry plants in the United States. J. R. Christie. Vol. 57, No. 1. July 1, 1938.
G–1094. Mosaic of lima beans (*Phaseolus lunatus macrocarpus*). L. L. Harter. Vol. 56, No. 12. June 15, 1938.
G–1095. Studies of selected strains of curly top virus. N. J. Giddings. Vol. 56, No. 12. June 15, 1938.
G–1096. Variability in germination of freshly harvested *Avena*. F. A. Coffman and T. R. Stanton. Vol. 57, No. 1. July 1, 1938.
G–1097. Cytology of twin cotton plants. J. M. Webber. Vol. 57, No. 2. July 15, 1938.
G–1098. Relation of atmospheric conditions to enlargement rate and periodicity of Winesap apples. C. P. Harley and M. P. Masure. Vol. 57, No. 2. July 15, 1938.
G–1099. The effect of natural selection in a mixture of barley varieties. H. V. Harlan and M. L. Martini. Vol. 57, No. 3. August 1, 1938.
G–1100. Two mastigosporium leaf spots on Gramineae. Roderick Sprague. Vol. 57, No. 4. August 15, 1938.
G–1101. Preliminary biochemical studies on effects of certain environmental factors on development and composition of the peanut. Samuel L. Jodidi. Vol. 57, No. 4. August 15, 1938.
G–1102. Anatomy of the leaf and stem of *Gossypium*. Irma E. Webber. Vol. 57, No. 4. August 15, 1938.
G–1103. Effect of neutral salts of sodium and calcium on carbon and nitrogen of soils. V. P. Sokoloff. Vol. 57, No. 3. August 1, 1938.
G–1104. Experiments on the transmission of potato viruses by vectors. T. P. Dykstra and W. C. Whitaker. Vol. 57, No. 5. September 1, 1938.
G–1105. Seasonal variations in the carbohydrate and nitrogen content of roots of bearing pecan trees. C. L. Smith and J. G. Waugh. Vol. 57, No. 6. September 15, 1938.
G–1106. Applicability of nutrient-solution purification to the study of trace-element requirements of rhizobium and azotobacter. Robert A. Steinberg. Vol. 57, No. 6. September 15, 1938.
G–1107. Studies on probable damage by blister rust in some representative stands of young western white pine. Thomas W. Childs and J. W. Kimmey. Vol. 57, No. 8. October 15, 1938.
G–1108. Host-parasite relations in red clover plants resistant and susceptible to powdery mildew, *Erysiphe polygoni*. Oliver F. Smith. Vol. 57, No. 9. November 1, 1938.
G–1109. Differentiation of wood-decaying fungi by their reactions on gallic or tannic acid medium. Ross W. Davidson, W. A. Campbell, and Dorothy J. Blaisdell. Vol. 57, No. 9. November 1, 1938.
G–1110. Linkage of the Q B Gs group in sorghum. J. C. Stephens and J. R. Quinby. Vol. 57, No. 10. November 15, 1938.
G–1111. The essentiality of gallium to growth and reproduction of *Aspergillus niger*. Robert A. Steinberg. Vol. 57, No. 8. October 15, 1938.
G–1112. Further investigations of brown-staining fungi associated with engraver beetles (*Scolytus*) in white fir. Ernest Wright. Vol. 57, No. 10. November 15, 1938.
G–1113. Stagonospora leaf spot and root rot of forage legumes. Fred Reuel Jones and J. L. Weimer. Vol. 57, No. 11. December 1, 1938.
G–1114. Complete or partial inhibition of flowering in certain plants when days are too short or too long. H. A. Allard. Vol. 57, No. 10. November 15, 1938.
G–1115. The growth curve of sorghum. A. T. Bartel and J. H. Martin. Vol. 57, No. 11. December 1, 1938.
G–1116. Correlations between biological essentiality and atomic structure of the chemical elements. Robert A. Steinberg. Vol. 57, No. 11. December 1, 1938.
G–1117. The canker of *Cupressus* induced by *Coryneum cardinale* n. sp. Willis W. Wagener. Vol. 58, No. 1. January 1, 1939.
G–1118. Relation of soil moisture to fusarium wilt of cotton. W. H. Tharp and V. H. Young. Vol. 58, No. 1. January 1, 1939.
G–1119. Influence of culture conditions upon the growth and development of *Dictyostelium discoideum*. Kenneth B. Raper. Vol. 58, No. 3. February 1, 1939.
G–1120. Cytogenetic observations in *Lactuca*. Thomas W. Whitaker and I. C. Jagger. Vol. 58, No. 4. February 15, 1939.
G–1121. Anatomical studies of root and shoot primordia in 1-year apple roots. E. A. Siegler and J. J. Bowman. Vol. 58, No. 11. June 1, 1939.
G–1122. A method of estimating the volatile products liberated from stored fruit. Fisk Gerhardt and Boyce D. Ezell. Vol. 58, No. 7. April 1, 1939.

G–1123. Influence of moisture and low temperature on the germination of hop seeds. D. C. Smith. Vol. 58, No. 5. March 1, 1939.
G–1124. Relationships in the genus *Gossypium* as indicated by cytological data. J. M. Webber. Vol. 58, No. 4. February 15, 1939.
G–1125. Soil infestation by *Ophiobolus gramisis* and its spread. Hurley Fellows and C. H. Ficke. Vol. 58, No. 7. April 1, 1939.
G–1126. Morphology of two American wild species of cotton and of their hybrid. Thomas H. Kearney and Irma E. Webber. Vol. 58, No. 6. March 15, 1939.
G–1127. Influence of various factors on the shape of beet roots. Ross C. Thompson. Vol. 58, No. 10. May 15, 1939.
G–1128. The relation of nutrients to toxicity of arsenic, borax, and chlorate in soils. A. S. Crafts. Vol. 58, No. 9. May 1, 1939.
G–1129. Brown necrosis, a discoloration associated with rust infection in certain rust-resistant wheats. E. S. McFadden. Vol. 58, No. 11. June 1, 1939.
G–1130. Optimum solutions as physiological reference standards in estimating nitrogen utilization by *Aspergillus niger*. Robert A. Steinberg and John D. Bowling. Vol. 58, No. 10. May 15, 1939.
G–1131. Root composition and top development in large pecan trees headed to various degrees of severity in top working. C. L. Smith, J. Hamilton, C. J. B. Thor, and L. D. Romberg. Vol. 58, No. 11. June 1, 1939.
G–1132. Identity and parasitism of a species of *Dothichloë*. William W. Diehl. Vol. 58, No. 12. June 15, 1939.
G–1133. Studies on the nature of brown root rot of tobacco and other plants. James Johnson. Vol. 58, No. 11. June 1, 1939.
G–1134. A physiological study of the prefilling period of fruit development in the pecan. C. J. B. Thor and C. L. Smith. Vol. 58, No. 12. June 15, 1939.
G–1135. The alleged protective action of alfalfa against the hemorrhagic sweetclover disease. William K. Smith. Vol. 59, No. 3. August 1, 1939.
G–1136. Viability of pollen and ovules of barley after cold storage. Merritt N. Pope. Vol. 59, No. 6. September 15, 1939.
G–1137. Host range studies with *Bacterium solanacearum*. T. E. Smith. Vol. 59, No. 6. September 15, 1939.
G–1138. Formulas for determining theoretical effects of certain genetic factors upon inheritance of quantitative characters, with special reference to a study of a *Lycopersicon* hybrid. LeRoy Powers. Vol. 59, No. 8. October 15, 1939.
G–1139. The *D Rs P* linkage group in sorghum. J. C. Stephens and J. R. Quinby. Vol. 59, No. 10. November 15, 1939.
G–1140. Comparative study of the apple anthracnose and perennial canker fungi. J. R. Kienholz. Vol. 59, No. 9. November 1, 1939.
G–1141. Physiological studies of lemons in storage. Erston V. Miller and Harold A. Schomer. Vol. 59, No. 8. October 15, 1939.
G–1142. Knob positions on corn chromosomes. A. E. Longley. Vol. 59, No. 7. October 1, 1939.
G–1143. Growth of millet in quartz sand and in sand-soil mixtures. P. L. Gile. Vol. 59. No. 8. October 15, 1939.
G–1144. Effects of nitrogen compounds and trace elements on growth of *Aspergillus niger*. Robert A. Steinberg. Vol. 59, No. 10. November 15, 1939.
G–1145. Relation of carbon nutrition to trace-element and accessory requirements of *Aspergillus niger*. Robert A. Steinberg. Vol. 59, No. 10. November 15, 1939.
G–1146. Resistance to clubroot in varieties of turnip and rutabaga. J. C. Walker. Vol. 59, No. 11. December 1, 1939.
G–1147. A rot of Winter Queen watermelons caused by *Phytophthora capsici*. James S. Wiant and C. M. Tucker. Vol. 60, No. 2. January 15, 1940.
G–1148. Hybridization of American 26-chromosome and Asiatic 13-chromosome species of *Gossypium*. J. O. Beasley. Vol. 60, No. 3. February 1, 1940.
G–1149. Tobacco following bare and natural weed fallow and pure stands of certain weeds. W. M. Lunn, D. E. Brown, J. E. McMurtrey, Jr., and W. W. Garner. Vol. 59, No. 11. December 1, 1939.
G–1150. Relation between carotenoid content and number of genes per cell in diploid and tetraploid corn. L. F. Randolph and David B. Hand. Vol. 60, No. 1. January 1, 1940.
G–1151. The use of ascorbic acid (crystalline vitamin C) as a substrate in oxidase measurements. Boyce D. Ezell and Fisk Gerhardt. Vol. 60, No. 2. January 15, 1940.
G–1152. Effects of various amounts of nitrogen, potassium, and phosphorus on growth and assimilation in young apple trees. L. P. Batjer and E. S. Degman. Vol. 60, No. 2. January 15, 1940.
G–1153. A physiological study of soft scald in Jonathan apples. Erston V. Miller and Harold A. Schomer. Vol. 60, No. 3. February 1, 1940.
G–1154. Physiological studies of plastid pigments in rinds of maturing oranges. Erston V. Miller, J. R. Winston, and Harold A. Schomer. Vol. 60, No. 4. February 15, 1940.
G–1155. Production of epinasty by emanations from normal and decaying citrus fruits and from *Penicillium digitatum*. Erston V. Miller, J. R. Winston, and D. F. Fisher. Vol. 60, No. 4. February 15, 1940.
G–1156. Morphology of the vegetative organs of sugarcane. Ernst Artschwager. Vol. 60, No. 8. April 15, 1940.
G–1157. A cytological study of some species in the genus *Paspalum*. Glenn W. Burton. Vol. 60, No. 3. February 1, 1940.
G–1158. Cytology of parthenogenesis in *Poa pratensis*. Fred W. Tinney. Vol. 60, No. 5. March 1, 1940.
G–1159. Relation of food translocation to movement of virus of tobacco mosaic. C. W. Bennett. Vol. 60, No. 6. March 15, 1940.
G–1160. Three previously undescribed mosaic diseases of pea. W. J. Zaumeyer. Vol. 60, No. 7. April 1, 1940.
G–1161. Stigma receptivity and pollen shedding in some pecan varieties. C. L. Smith and L. D. Romberg. Vol. 60, No. 8. April 15, 1940.
G–1162. New physiologic races of flax rust. H. H. Flor. Vol. 60, No. 9. May 1, 1940.

G–1163. Effect of algae in relation to aeration, light, and sources of phosphorus on growth of tobacco in solution cultures. Henry B. Engle and J. E. McMurtrey, Jr. Vol. 60, No. 7. April 1, 1940.
G–1164. Seasonal development, insect vectors, and host range of bacterial wilt of sweet corn. Charlotte Elliott and F. W. Poos. Vol. 60, No. 10. May 15, 1940.
G–1165. Root responses of noninfectious hairy root apple seedlings under different methods of propagation. E. A. Siegler and J. J. Bowman. Vol. 60, No. 11. June 1, 1940.
G–1166. Action of some organic compounds on yield, sporulation, and starch formation of *Aspergillus niger*. Robert A. Steinberg. Vol. 60, No. 11. June 1, 1940.
G–1167. Hybrid vigor in sugar beets. Dewey Stewart, C. A. Lavis, and G. H. Coons. Vol. 60, No. 11. June 1, 1940.
G–1168. Studies on the natural inoculation of seed barley with covered smut (*Ustilago hordei*). V. F. Tapke. Vol. 60, No. 12. June 15, 1940.
G–1169. Modification of diurnal transpiration in wheat by infections of *Puccinia triticina*. C. O. Johnston and E. C. Miller. Vol. 61, No. 6. September 15, 1940.
G–1170. Photothermal induction of flowering in sugar beets. F. V. Owen, Eubanks Carsner, and Myron Stout. Vol. 61, No. 2. July 15, 1940.
G–1171. Inversion of sucrose in the different parts of the sugarcane stalk. J. I. Lauritzen and R. T. Balch. Vol. 61, No. 1. July 1, 1940.
G–1172. Salt balance in irrigated areas. Carl S. Scofield. Vol. 61, No. 1. July 1, 1940.
G–1173. Boron absorption by sunflower seedlings. Carl S. Scofield, L. V. Wilcox, and George Y. Blair. Vol. 61, No. 1. July 1, 1940.
G–1174. Effect of exchange sodium on the moisture equivalent and the wilting coefficient of soils. Frank M. Eaton and Charles R. Horton. Vol. 61, No. 6. September 15, 1940.
G–1175 Developmental morphology of the growing point of the shoot and the inflorescence in grasses. Morgan W. Evans and Frederick O. Grover. Vol. 61, No. 7. October 1, 1940.
G–1176. A comparative study of the seasonal root development of some inbred lines and hybrids of maize. J. T. Spencer. Vol. 61, No. 7. October 1, 1940.
G–1177. Effect of blue stain on specific gravity and strength of southern pine. A. Dale Chapman and Theodore C. Scheffer. Vol. 61, No. 2. July 15, 1940.
G–1178. The infection capabilities of hop downy mildew. G. R. Hoerner. Vol. 61, No. 5. September 1, 1940.
G–1179. Chemical and physical properties of soils and of their colloids developed from granitic materials in the Mojave Desert. I. C. Brown and M. Drosdoff. Vol. 61, No. 5. September 1, 1940.
G–1180. Effect of certain fungicides and environmental factors on the rate of transpiration of tomato plants. Arthur C. Foster and Everett C. Tatman. Vol. 61, No. 10. November 15, 1940.
G–1181. Effect of environmental factors on the transpiration and growth of tomato plants. Arthur C. Foster and Everett C. Tatman. Vol. 61, No. 10. November 15, 1940.
G–1182. Mosaic and streak diseases of rose. Philip Brierley and Floyd F. Smith. Vol. 61, No. 9. November 1, 1940.
G–1183. Effect of day length and temperature on the flowering and growth of four species of grasses. H. M. Benedict. Vol. 61, No. 9. November 1, 1940.
G–1184. *Lygus* bug damage to alfalfa in relation to seed production. John W. Carlson. Vol. 61, No. 11. December 1, 1940.
G–1185. Toxic effect on germinating sugar-beet seed of water-soluble substances in the seed ball. Bion Tolman and Myron Stout. Vol. 61, No. 11. December 1, 1940.
G–1186. Stemphylium leaf spot of red clover and alfalfa. Oliver F. Smith. Vol. 61, No. 12. November 1, 1940.
I–21. Comparative conformation, anatomy, and udder characteristics of cows of certain beef and dairy breeds. W. W. Swett, Fred W. Miller, R. R. Graves, W. H. Black, and G. T. Creech. Vol. 55, No. 4. August 15, 1937.
I–22. The loss of carotene in hays and alfalfa meal during storage. Edward A. Kane, Herbert G. Wiseman, and C. A. Cary. Vol. 55, No. 11. December 1, 1937.
I–23. The solubility of casein in salts of certain organic acids, and its fractionation by means of these acids. Ralph H. McKee and Stephen P. Gould. Vol. 57, No. 2. July 15, 1938.
I–24. The carotene content of market hays and corn silage. Herbert G. Wiseman, Edward A. Kane, Leo A. Shinn, and C. A. Cary. Vol. 57, No. 9. November 1, 1938.
I–25. The relation of color and carotene content of roughage in the dairy ration to the color, carotene content, and vitamin A activity of butterfat. R. E. Hodgson, J. C. Knott, H. K. Murer, and R. R. Graves. Vol. 57, No. 7. October 1, 1938.
I–26. *Pseudomonas aeruginosa* in bovine mastitis. J. Frank Cone. Vol. 58, No. 2. January 15, 1939.
I–27. Relation between conformation and anatomy of cows of unknown producing ability. W. W. Swett and R. R. Graves. Vol. 58, No. 3. February 1, 1939.
I–28. Early recognition of the freemartin condition in heifers twinborn with bulls. W. W. Swett, C. A. Matthews, and R. R. Graves. Vol. 61, No. 8. October 15, 1940.
K–264. *Chrysis shanghaiensis* Smith, a parasite of the oriental moth. D. E. Parker. Vol. 52, No. 6. March 15, 1936.
K–265. The effectiveness of various arsenicals in destroying larvae of the Japanese beetle in sassafras sandy loam. Walter E. Fleming and Francis E. Baker. Vol. 52, No. 7. April 1, 1936.
K–266. Certain insect vectors of *Aplanobacter stewarti*. F. W. Poos and Charlotte Elliott. Vol. 52, No. 8. April 15, 1936.
K–267. Determination of the less refined mineral oils on leaf surfaces after spraying. L. H. Dewsey. Vol. 52, No. 9. May 1, 1936.
K–268. Inheritance of resistance to the hessian fly in the wheat crosses Dawson × Poso and Dawson × Big Club. W. B. Cartwright and G. A. Wiebe. Vol. 52, No. 9. May 1, 1936.
K–269. Quantitative demonstration of the presence of spores of *Bacillus larvae* in honey contaminated by contact with American foulbrood. A. P. Sturtevant. Vol. 52, No. 9. May 1, 1936.

K–270. The comparative insecticidal efficiency against the camphor scale of spray oils with different unsulphonatable residues. A. W. Cressman and Lynn H. Dawsey. Vol. 52, No. 11. June 1, 1936.
K–271. Transmission of sugarcane mosaic by the rusty plum aphid, *Hysteroneura setariae*. J. W. Ingram and E. M. Summers. Vol. 52, No. 11. June 1, 1936.
K–272. Paris green and its homologues as insecticides against the Japanese beetle. Walter E. Fleming and Francis E. Baker. Vol. 53, No. 3. August 1, 1936.
K–273. Derris as a Japanese beetle repellent and insecticide. Walter E. Fleming and Francis E. Baker. Vol. 53, No. 3. August 1, 1936.
K–274. Development-temperature correlation in the green bug, *Toxoptera graminum*. F. M. Wadley. Vol. 53, No. 4. August 15, 1936.
K–275. A method for estimating populations of larvae of the Japanese beetle in the field. Walter E. Fleming and Francis E. Baker. Vol. 53, No. 5. September 1, 1936.
K–276. The insecticidal action of acid lead arsenate on the larvae of the Japanese beetle in different types of soil. Walter E. Fleming, Francis E. Baker, and Louis Koblitsky. Vol. 53, No. 10. November 15, 1936.
K–277. Practical field methods of sampling soil for wireworms. E. W. Jones. Vol. 54, No. 2. January 15, 1937.
K–278. The optical rotatory power of extracts of derris and cube roots. Howard A. Jones. Vol. 53, No. 11. December 1, 1936.
K–279. Relative toxic action of phenol and phenyl mercaptan, when the goldfish is used as the test animal. W. A. Gersdorff. Vol. 53, No. 11. December 1, 1936.
K–280. The relative quantities of oil deposited upon paraffin-coated plates and upon plant foliage by oil sprays. Lynn H. Dawsey, A. W. Cressman, and Julian Hiley. Vol. 54, No. 5. March 1, 1937.
K–281. Relative toxicity of the cresols as demonstrated by tests with *Carassius auratus*. W. A. Gersdorff. Vol. 54, No. 6. March 15, 1937.
K–282. Digestive enzymes in the southern armyworm. Frank H. Babers and P. A. Woke. Vol. 54, No. 7. April 1, 1937.
K–283. The influence of colony populations on honey production. C. L. Farrar. Vol. 54, No. 12. June 15, 1937.
K–284. Effects of the alkaloid nicotine on the rhythmicity of isolated heart preparations from *Periplaneta americana* and *Prodenia eridania*. J. Franklin Yeager and J. B. Gahan. Vol. 55, No. 1. July 1, 1937.
K–285. The beet leafhopper in the central Columbia River breeding area. Orin A. Hills. Vol. 55, No. 1. July 1, 1937.
K–286. The biology of the *Platygaster herrickii*, a parasite of the hessian fly. C. C. Hill and W. T. Emery. Vol. 55, No. 3. August 1, 1937.
K–287. A statistical study of sampling in field surveys of the fall population of the European corn borer. M. T. Meyers and L. H. Patch. Vol. 55, No. 11. December 1, 1937.
K–288. Improvements in determination of oil deposit on sprayed foliage. L. H. Dawsey and J. Hiley. Vol. 55, No. 9. November 1, 1937.
K–289. The translocation of derris constituents in bean plants. Robert A. Fulton and Horatio C. Mason. Vol. 55, No. 12. December 15, 1937.
K–290. Quantitative injection and effects of nicotine in insects. N. E. McIndoo. Vol. 55, No. 12. December 15, 1937.
K–291. Mechanographic method of recording insect cardiac activity, with reference to effect of nicotine on isolated heart preparations of *Periplaneta americana*. J. Franklin Yeager. Vol. 56, No. 4. February 15, 1938.
K–292. *Rogas unicolor* (Wesm.), a braconid parasite of the satin moth. Philip B. Dowden. Vol. 56, No. 7. April 1, 1938.
K–293. The toxicity of phenothiazine and some of its oxidation products, in experiments with *Carassius auratus*. W. A. Gersdorff and H. V. Claborn. Vol. 56, No. 4. February 15, 1938.
K–294. Transmission of sugarcane mosaic by the green bug (*Toxoptera graminum* Rond.) J. W. Ingram and E. M. Summers. Vol. 56, No. 7. April 1, 1938.
K–295. The reaction of wireworms to arsenicals. Charles E. Woodworth. Vol. 57, No. 3. August 1, 1938.
K–296. Influence of Japanese beetle instar on the sex and population of the parasite *Tiphia popilliavora*. M. H. Brunson. Vol. 57, No. 5. September 1, 1938.
K–297. Laboratory studies on *Tetrastichus xanthomelaenae* Rond. and *Tetrastichus* sp., two hymenopterous egg parasites of the elm leaf beetle P. A. Berry. Vol. 57, No. 11. December 1, 1938.
K–298. An analysis of the blood of the sixth-instar southern armyworm (*Prodenia eridania*). Frank H. Babers. Vol. 57, No. 9. November 1, 1938.
K–299. The biological disposition of rotenone after ingestion by the southern armyworm. P. A. Woke. Vol. 57, No. 9. November 1, 1938.
K–300. Inactivation of pyrethrum after ingestion by the southern armyworm and during incubation with its tissues. P. A. Woke. Vol. 58, No. 4. February 15, 1939.
K–301. *Schizonotus sieboldi*, an important parasite of the imported willow leaf beetle (*Plagiodera versicolora*). Philip B. Dowden. Vol. 58, No. 8. April 15, 1939.
K–302. Transmission of sugarcane mosaic by aphids. H. D. Tate and S. R. Vandenberg. Vol. 59, No. 1. July 1, 1939.
K–303. Electrical stimulation of isolated heart preparations from *Periplaneta americana*. J. Franklin Yeager. Vol. 59, No. 2. July 15, 1939.
K–304. Seasonal abundance of the corn earworm. F. F. Dicke. Vol. 59, No. 4. August 15, 1939.
K–305. Effect of temperature and moisture on overwintering pupae of the corn earworm in the Northeastern States. G. W. Barber and F. F. Dicke. Vol. 59, No. 10. November 15, 1939.
K–306. Preliminary studies of the nutritive requirements of the European corn borer. G. T. Bottger. Vol. 60, No. 4. February 15, 1940.
K–307. Two new spore-forming bacteria causing milky diseases of Japanese beetle larvae. S. R. Dutky. Vol. 61, No. 1. July 1, 1940.
K–308. Effects of some ingested insecticides on the midgut wall of the southern armyworm larva. P. A. Woke. Vol. 61, No. 5. September 1, 1940.

318215—41——3

K–309. The chloroform-soluble components of beet leafhopper as an indication of the distance they move in the spring. Robert A. Fulton and Van E. Romney. Vol. 61, No. 10. November 15, 1940.

T–9. The relative value of various lards and other fats for the deep-fat frying of potato chips. Florance B. King, Rosemary Loughlin, R. W. Riemenschneider and N. R. Ellis. Vol. 53, No. 5. September 1, 1936.

T–10. Ascorbic acid content of a number of citrus fruits. Esther Peterson Daniel and Majorie B. Rutherford. Vol. 54, No. 9. May 1, 1937.

T–11. The effect of cooking and storage on the ascorbic acid content of potatoes. Lydia A. Rolf. Vol. 61, No. 5. September 1, 1940.

STATION SERIES

Ariz.–10. Zinc and other mineral constituents in relation to the rosette disease of pecan trees. A. H. Finch. Vol. 52, No. 5. March 1, 1936.

Ariz.–11. The effect of storage upon the vitamin A content of alfalfa hay. Margaret Cammack Smith. Vol. 53, No. 9. November 1, 1936.

Ariz.–12. The biological value of the proteins in hegari and the supplemental value of certain protein concentrates used in farm animal feeding. Margaret Cammack Smith and Gladys Hartley Roehm. Vol. 54, No. 2. January 15, 1937.

Ariz.–13. The vitamin A value of blue grama range grass at different stages of growth. Margaret Cammack Smith and E. B. Stanley. Vol. 56, No. 1. January 1, 1938.

Ariz.–14. Inflorescence blight of the date palm. J. G. Brown and Karl D. Butler. Vol. 57, No. 4. August 15, 1938.

Ariz.–15. Relation between fiber length and maturity in cotton. R. S. Hawkins. Vol. 57, No. 8. October 15, 1938.

Ark.–22. Root growth of seedlings of *Pinus echinata* and *Pinus taeda*. Lewis M. Turner. Vol. 53, No. 2. July 15, 1936.

Ark.–23. Life span and morphology of fire blight bacteria as influenced by relative humidity, temperature, and nutrition. H. R. Rosen. Vol. 56, No. 4, February 15, 1938.

Ark.–24. A photoelectric sorter for length measurements of fibers of seed cotton. Burt Johnson. Vol. 57, No. 1. July 1, 1938.

Calif.–73. The relation of pauses to rate of egg production. I. Michael Lerner and Lewis W. Taylor. Vol. 52, No. 1. January 1, 1936.

Calif.–74. Phytophthora rot of sugar beet. C. M. Tompkins, B. L. Richards, C. M. Tucker, and M. W. Gardner. Vol. 52, No. 3. February 1, 1936.

Calif.–75. The calcium and inorganic phosphorus content of the blood serum of swine. E. H. Hughes. Vol. 53, No. 4. August 15, 1936.

Calif.–76. Specific effects of zinc applications on leaves and twigs of orange trees affected with mottle-leaf. H. S. Reed and E. R. Parker. Vol. 53, No. 5. September 1, 1936.

Calif.–77. Viability of sclerotia of *Sclerotium rolfsii* after passage through the digestive tract of cattle and sheep. L. D. Leach and S. W. Mead. Vol. 53, No. 7. October 1, 1936.

Calif.–78. Phytophthora root rot of cauliflower. C. M. Tompkins, C. M. Tucker, and M. W. Gardner. Vol. 53, No. 9. November 1, 1936.

Calif.–79. Growth, reproduction, feeding, and wing development of the mealy plum aphid in relation to climatic factors. Leslie M. Smith, Vol. 54, No. 5. March 1, 1937.

Calif.–80. The relation of light to the diurnal cycle of sporulation of certain downy mildews. C. E. Yarwood. Vol. 54, No. 5. March 1, 1937.

Calif.–81. Diastatic activity of orange leaves as affected by time, temperature, pH, and certain zinc salts. W. B. Sinclair and E. T. Bartholomew. Vol. 54, No. 8. April 15, 1937.

Calif.–82. Chemical composition of avocado fruits. A. R. C. Haas. Vol. 54, No. 9. May 1, 1937.

Calif.–83. Phytophthora rot of Honeydew melon. C. M. Tompkins and C. M. Tucker. Vol. 54, No. 12. June 15, 1937.

Calif.–84. A transmissible mosaic disease of cauliflower. C. M. Tompkins. Vol. 55, No. 1. July 1, 1937.

Calif.–85. Relation of certain dietary essentials to fertility in sheep. George H. Hart and Robert F. Miller. Vol. 55, No. 1. July 1, 1937.

Calif.–86. Observations of pathogenic and antigenic effects of *Brucella abortus*, United States Bureau of Animal Industry strain 19. C. M. Haring and J. Traum. Vol. 55, No. 2. July 15, 1937.

Calif.–87. The production of citrus mottle-leaf in controlled nutrient cultures. H. D. Chapman, A. P. Vanselow, and George F. Liebig, Jr. Vol. 55, No. 5. September 1, 1937.

Calif.–88. Biological value of casein as a supplement to the proteins of barley in rations for pigs. E. H. Hughes. Vol. 55, No. 6. September 15, 1937.

Calif.–89. Foot rot of China-aster, annual stock, and Transvaal daisy caused by *Phytophthora cryptogea*. C. M. Tompkins and C. M. Tucker. Vol. 55, No. 8. October 15, 1937.

Calif.–90. Interrelationships of egg production factors as determined for White Leghorn pullets. I. Michael Lerner and Lewis W. Taylor. Vol. 55, No. 9. November 1, 1937.

Calif.–91. Resistance of sheep of different breeds to infestation by *Ostertagia circumcincta*. M. A. Stewart, R. F. Miller, and J. R. Douglas. Vol. 55, No. 12. December 15, 1937.

Calif.–92. Adaptation and use of automatically operated sand-culture equipment. H. D. Chapman and George F. Liebig, Jr. Vol. 56, No. 1. January 1, 1938.

Calif.–93. Use of the dilatometer in measuring the extent of freezing in ice cream and related products. Wilford C. Cole. Vol. 56, No. 2. January 15, 1938.

Calif.–94. Determining the sclerotial population of *Sclerotium rolfsii* by soil analysis and predicting losses of sugar beets on the basis of these analyses. L. D. Leach and A. E. Davey. Vol. 56, No. 8. April 15, 1938.

Calif.–95. The influence of various factors on egg production in turkeys. V. S. Asmundson. Vol. 56, No. 5. March 1, 1938.
Calif.–96. A mosaic disease of Chinese cabbage. C. M. Tompkins and H. Rex Thomas. Vol. 56, No. 7. April 1, 1938.
Calif.–97. A mosaic disease of turnip. C. M. Tompkins. Vol. 57, No. 8. October 15, 1938.
Calif.–98. Assays of riboflavin and the filtrate factor in certain milk products. T. H. Jukes and G. A. Richardson. Vol. 57, No. 8. October 15, 1938.
Calif.–99. The effect of environmental temperature on mortality, rate of growth, and utilization of food energy in White Leghorn chicks. C. F. Winchester and M. Kleiber. Vol. 57, No. 7. October 1, 1938.
Calif.–100. Black ring, a virus disease of cabbage and other crucifers. C. M. Tompkins, M. W. Gardner, and H. Rex Thomas. Vol. 57, No. 12. December 15, 1938.
Calif.–101. Two mosaic diseases of annual stock. C. M. Tompkins. Vol. 58, No. 1. January 1, 1939.
Calif.–102. A mosaic disease of radish in California. C. M. Tompkins. Vol. 58, No. 2. January 15, 1939.
Calif.–103. Inheritance of eggshell thickness in White Leghorn pullets. Lewis W. Taylor and I. Michael Lerner. Vol. 58, No. 5. March 1, 1939.
Calif.–104. Soft rot of pumpkin and watermelon fruits caused by *Pythium ultimum*. C. M. Tompkins, P. A. Ark, C. M. Tucker, and J. T. Middleton. Vol. 58, No. 6. March 15, 1939.
Calif.–105. Unfruitfulness in the tomato caused by male sterility. J. W. Lesley and Margaret Lesley. Vol. 58, No. 8. April 15, 1939.
Calif.–106. The forest floor of the chaparral in San Gabriel Mountains, Calif. Joseph Kittredge, Jr. Vol. 58, No. 7. April 1, 1939.
Calif.–107. The annual accumulation and creep of litter and other surface materials in the chaparral of the San Gabriel Mountains, Calif. Joseph Kittredge, Jr. Vol. 58, No. 7. April 1, 1939.
Calif.–108. Relative influence of the various factors that affect egg production of turkeys during different parts of the first laying year. V. S. Asmundson. Vol. 58, No. 10. May 15, 1939.
Calif.–109. A statistical study of winter pause in White Leghorn pullets. I. Michael Lerner and Lewis W. Taylor. Vol. 59, No. 3. August 1, 1939.
Calif.–110. Retention of some phosphorus compounds by soils as shown by subsequent plant growth. John P. Conrad. Vol. 59, No. 7. October 1, 1939.
Calif.–111. Susceptibility of species of Cupressaceae to crown gall as determined by artificial inoculation. Clayton O. Smith. Vol. 59, No. 12. December 15, 1939.
Calif.–112. Retention by soils of the nitrogen of various compounds as shown by subsequent plant response. John P. Conrad. Vol. 60, No. 9. May 1, 1940.
Calif.–113. The effect of controlled culling of chickens on the efficiency of progeny tests. I. Michael Lerner and Lewis W. Taylor. Vol. 60, No. 11. June 1, 1940.
Calif.–114. Two additional factors for resistance to mildew in barley. Ernest H. Stanford and Fred N. Briggs. Vol. 61, No. 3. August 1, 1940.
Calif.–115. The inheritance of an albumen quality characteristic of chicken eggs. F. W. Lorenz and Lewis W. Taylor. Vol. 61, No. 4. August 15, 1940.
Colo.–10. Factors affecting chlorosis in irrigated wheat. D. W. Robertson and Robert Gardner. Vol. 55, No. 7. October 1, 1937.
Colo.–11. The anatomical development of *Lepidium draba*. Austin O. Simonds. Vol. 57, No. 12. December 15, 1938.
Colo.–12. Effect of relative humidity on viability, moisture content, and respiration of wheat, oats, and barley seed in storage. D. W. Robertson, A. M. Lute, and Robert Gardner. Vol. 59, No. 4. August 15, 1939.
Colo.–13. Organic reserves in the roots of bindweed. C. G. Barr. Vol. 60, No. 6. March 15, 1940.
Conn. (New Haven)–6. Soil characteristics, topography, and lesser vegetation in relation to site quality of second-growth oak stands in Connecticut. Herbert A. Lunt. Vol. 59, No. 6. September 15, 1939.
Fla.–19. The influence of varying amounts of water-soluble phosphorus in different soil types on the response of cultivated crops. O. C. Bryan and W. M. Neal. Vol. 52, No. 6. March 15, 1936.
Fla.–20. Quantitative determination of copper and estimation of other trace elements by spectrographic methods in wire grasses from "salt sick" and healthy areas. L. I. Rusoff, L. H. Rogers, and L. W. Gaddum. Vol. 55, No. 10. November 15, 1937.
Fla.–21. A portable instrument for the analysis of hydrocyanic acid gas-air mixtures. R. J. Wilmot and T. N. Gautier. Vol. 56, No. 4. February 15, 1938.
Ga.–9. Anatomy and histology of the transition region in *Capsicum frutescens* Linn. H. L. Cochran and F. F. Cowart. Vol. 54, No. 9. May 1, 1937.
Ga.–10. Two fungi causing leaf spot of peanut. Wilbert A. Jenkins. Vol. 56, No. 5. March 1, 1938.
Ga.–11. A morphological study of flower and seed development in pepper. H. L. Cochran. Vol. 56, No. 6. March 15, 1938.
Ga.–12. The development of *Mycosphaerella berkeleyii*. Wilbert A. Jenkins. Vol. 58, No. 8. April 15, 1939.
Ga.–13. Growth and distribution of roots of the Perfection pimiento in Georgia. H. L. Cochran. Vol. 59, No. 3. August 1, 1939.
Ga.–14. Influence of boron on flower-bud development in cotton. K. T. Holley and T. G. Dulin. Vol. 59, No. 7. October 1, 1939.
Ga.–15. A new virus disease of snap beans. Wilbert A. Jenkins. Vol. 60, No. 4. February 15, 1940.
Ga.–16. Effect of roasting and scalding pimiento fruits in preparation for canning on the subsequent germination of the seeds. H. L. Cochran. Vol. 61, No. 3. August 1, 1940.
Ga.–17. Inheritance of seed-coat color in peanuts. B. B. Higgins. Vol. 61, No. 10. November 15, 1940.
Idaho–14. Histology of apple fruit tissue in relation to cracking. Leif Verner. Vol. 57, No. 11. December 1, 1938.

Idaho–15. The calcium-phosphorus ratio of the skins of canning peas and its relation to maturity. Donald W. Bolin and Wilbur Schroeder. Vol. 58, No. 8. April 15, 1939.

Ill.–63. The estimation of the heat production of cattle from the insensible loss in body weight. H. H. Mitchell and T. S. Hamilton. Vol. 52, No. 11. June 1, 1936.

Ill.–64. The development of the wheat spike. O. T. Bonnett. Vol. 53, No. 6. September 15, 1936.

Ill.–65. The development of the oat panicle. O. T. Bonnett. Vol. 54, No. 12. June 15, 1937.

Ill.–66. Fungus growth in shelled corn as affected by moisture. Benjamin Koehler. Vol. 56, No. 4. February 15, 1938.

Ill.–67. Energy requirements of swine and estimates of heat production and gaseous exchange for use in planning the ventilation of hog houses. H. H. Mitchell and M. A. R. Kelley. Vol. 56, No. 11. June 1, 1938.

Ill.–68. Hood and supernumerary spike development in barley. O. T. Bonnett. Vol. 57, No. 5. September 1, 1938.

Ill.–69. A study of protein extract from soybeans with reference to its use in food. Sybil Woodruff, Evelyn Chambers, and Helen Klaas. Vol. 57, No. 10. November 15, 1938.

Ill.–70. A study of hybrid vigor in a cross between Poland China and Duroc Jersey swine. E. Roberts and W. E. Carroll. Vol. 59, No. 11. December 1, 1939.

Ill.–71. Development of the staminate and pistillate inflorescences of sweet corn. O. T. Bonnett. Vol. 60, No. 1. January 1, 1940.

Ill.–72. Some factors in lamb production associated with size and type in mutton sheep. George A. Branaman. Vol. 60, No. 7. April 1, 1940.

Ill.–73. The impairment in nutritive value of corn grain damaged by specific fungi. H. H. Mitchell and Jessie R. Beadles. Vol. 61, No. 2. July 15, 1940.

Ill.–74. The cystine content of eleven varieties of soybeans. T. S. Hamilton and F. I. Nakamura. Vol. 61, No. 3. August 1, 1940.

Ill.–75. The utilization by calves of energy in rations containing different percentages of protein and in glucose supplements. H. H. Mitchell and T. S. Hamilton. Vol. 61, No. 12. December 15, 1940.

Ind.–26. A sub-irrigation method of supplying nutrient solutions to plants growing under commercial and experimental conditions. Robert B. Withrow and J. P. Bibel. Vol. 53, No. 9. November 1, 1936.

Ind.–27. Ringing and fruit setting as related to nitrogen and carbohydrate content of Grimes Golden apples. Laurenz Greene. Vol. 54, No. 11. June 1, 1937.

Ind.–28. A critical study of technique for measuring granulation in wheat meal. W. W. Worzella and G. H. Cutler. Vol. 58, No. 5. March 1, 1939.

Ind.–29. Phytophthora trunk canker or collar rot of apple trees. R. C. Baines. Vol. 59, No. 3. August 1, 1939.

Iowa–24. The toxicity of certain insecticides to the chinch bug. Charles H. Richardson, Christian C. Deonier, and William A. Simanton. Vol. 54, No. 1. January 1, 1937.

Iowa–25. Measurement of the viscosity of eggs by the use of a torsion pendulum. J. V. Atanasoff and H. L. Wilcke. Vol. 54, No. 9. May 1, 1937.

Iowa–26. Analysis of covariance of yield and time to first silks in maize. George W. Snedecor and Gertrude M. Cox. Vol. 54, No. 6. March 15, 1937.

Iowa–27. Factors influencing the development of soggy break-down in apples. H. H. Plagge and T. J. Maney. Vol. 55, No. 10. November 15, 1937.

Iowa–28. The control of dandelions in lawns. W. E. Loomis. Vol. 56, No. 12. June 15, 1938.

Iowa–29. Observations on muskrat damage to corn and other crops in central Iowa. Paul L. Errington. Vol. 57, No. 6. September 15, 1938.

Iowa–30. Toxic and repellent properties of some inorganic and organic compounds and mixtures in grasshopper baits. Charles H. Richardson and Edwin J. Seiferle. Vol. 57, No. 6. September 15, 1938.

Iowa–31. Bacterial wilt resistance and genetic host-parasite interactions in maize. Ralph E. Lincoln. Vol. 60, No. 4. February 15, 1940.

Kans.–78. The effects of low-phosphorus rations on growing pigs. C. E. Aubel, J. S. Hughes, and H. F. Lienhardt. Vol. 52, No. 2. January 15, 1936.

Kans.–79. Growth inhibition in the potato caused by a gas emanating from apples. O. H. Elmer. Vol. 52, No. 8. April 15, 1936.

Kans.–80. Reproductive capacity of female rats as affected by kinds of carbohydrates in the ration. C. H. Whitnah and Ralph Bogart. Vol. 53, No. 7. October 1, 1936.

Kans.–81. Cold resistance of winter wheat, rye, barley, and oats in transition from dormancy to active growth. H. H. Laude. Vol. 54, No. 12. June 15, 1937.

Kans.–82. Comparison of the cold resistance of several varieties of winter wheat in transition from dormancy to active growth. H. H. Laude. Vol. 54, No. 12. June 15, 1937.

Kans.–83. Observations on the biology of the wheat-stem maggot in Kansas. Merle W Allen and Reginald H. Painter. Vol. 55, No. 3. August 1, 1937.

Kans.–84. The vitamin A value of colostrum and milk of four cows determined by the single-feeding method. M. M. Kramer, Margaret D. Bair, Bernice L. Kunerth, and W. H. Riddell. Vol. 56, No. 3. February 1, 1938.

Kans.–85. Vitamin G (riboflavin) content of colostrum and milk of cows determined biologically. M. M. Kramer, Inez Gardner, Bernice L. Kunerth, and W. H. Riddell. Vol. 56, No. 3. February 1, 1938.

Kans.–86. Studies on the physiology and inheritance of feathering in the growing chick. M. H. Radi and D. C. Warren. Vol. 56, No. 9. May 1, 1938.

Kans.–87. An apparent induced loss of nitrogen-fixing ability in *Azotobacter*. Charles R. Stumbo and P. L. Gainey. Vol. 57, No. 3. August 1, 1938.

Kans.–88. Carotene balance and blood-carotene levels in heifers and lactating dairy cows and their relation to the production of off-flavor milk. C. H. Whitnah, W. J. Peterson, F. W. Atkeson, and H. W. Cave. Vol. 58, No. 5. March 1, 1939.

Kans.–89. Growth of the hen's ovum. D. C. Warren and Ralph Conrad. Vol. 58, No. 12. June 15, 1939.

Kans.–90. Adequacy of labeling of certain textile fabrics with regard to fiber content. Hazel Fletcher and Lois Denhardt. Vol. 58, No. 12. June 15, 1939.

Kans.–91. Effect of temperature on size of eggs from pullets in different latitudes. D. C. Warren. Vol. 59, No. 6. September 15, 1939.

Kans.–92. The influence of the awns upon the rate of transpiration from the heads of wheat. Hugh G. Gauch and Edwin C. Miller. Vol. 61, No. 6. September 15, 1940.

Kans.–93. Differential injury within varieties, inbred lines, and hybrids of field corn caused by the corn earworm, *Heliothis armigera* (Hbn.). Reginald H. Painter and Arthur M. Brunson. Vol. 61, No. 2. July 15, 1940.

Maine–24. An experimental study of the relation between the uropygial gland and vitamin D deficiency in chicks. Elizabeth F. Murphy. Vol. 53, No. 1. July 1, 1936.

Maine–25. Some properties of potato rugose mosaic and its components. Donald Folsom and Reiner Bonde. Vol. 55, No. 10. November 15, 1937.

Maine–26. The role of insects in the dissemination of potato blackleg and seed-piece decay. Reiner Bonde. Vol. 59, No. 12. December 15, 1939.

Md.–7. Absorption, distribution, and seasonal movement of potassium in young apple trees and the effect of potassium fertilizer on potassium and nitrogen content and growth of trees. R. F. Chandler, Jr. Vol. 53, No. 1. July 1, 1936.

Md.–8. Effect of previous cold storage on the respiration of vegetables at higher temperatures. C. O. Appleman and C. L. Smith. Vol. 53, No. 8. October 15, 1936.

Md.–9. A method for extracting growth substances from pigmented tissues. H. G. DuBuy. Vol. 56, No. 2. January 15 1938.

Md.–10. Soil studies on the causes of the brown root rot of tobacco. E. D. Matthews, C. A. Reneger, and R. P. Thomas. Vol. 58, No. 9. May 1, 1939.

Mass.–45. Time interval between eggs of Rhode Island Red pullets. F. A. Hays. Vol. 52, No. 8. April 15, 1936.

Mass.–46. Oxidation-reduction potentials of soil suspensions in relation to acidity and nitrification. M. C. Darnell, Jr., and W. S. Eisenmenger. Vol. 53, No. 1. July 1, 1936.

Mass.–47. Chemical composition and fermentation studies on citron. C. R. Fellers and E. G. Smith. Vol. 53, No. 11. December 1, 1936.

Mass.–48. Some correlations in plant-tissue composition, decomposition products, and effect upon crop rotation with tobacco. Walter S. Eisenmenger. Vol. 56, No. 4. February 15, 1938.

Mass.–49. Time interval between clutches in Rhode Island Red pullets. F. A. Hays. Vol. 57, No. 8. October 15, 1938.

Mass.–50. Relation of soil temperature to chlorosis of gardenia. Linus H. Jones. Vol. 57, No. 8. October 15, 1938.

Mass.–51. Color markings in Rhode Island Red chicks as related to sex and adult color. F. A. Hays. Vol. 61, No. 1. July 1, 1940.

Mich.–28. The effect of homogenization on some of the characteristics of milk fat. I. A. Gould and G. M. Trout. Vol. 52, No. 1. January 1, 1936.

Mich.–29. Histological study of tissues from greenhouse tomatoes affected by blotchy ripening. H. L. Seaton and G. F. Gray. Vol. 52, No. 3. February 1, 1936.

Mich.–30. Products of fermentation of the S and R forms of yeasts. F. W. Fabian and L. J. Wickerham. Vol. 54, No. 2. January 15, 1937.

Mich.–31. Factors influencing the ripening season of sour cherries. V. R. Gardner. Vol. 55, No. 7. October 1, 1937.

Mich.–32. A formula for reducing the amount of computations when finding the variance of a set of averages. William D. Baten. Vol. 55, No. 8. October 15, 1937.

Mich.–33. The use of the analysis of covariance and its limitation in the adjustment of yields based upon stand irregularities. Charles H. Mahoney and W. D. Baten. Vol. 58, No. 5. March 1, 1939.

Mich.–34. Photosynthetic studies of mutational barrenness in the Montmorency cherry. J. W. Crist. Vol. 59, No. 7. October 1, 1939.

Mich.–35. Variation and correlation in bud mutants of the Montmorency cherry. J. W. Crist. Vol. 59, No. 5. September 1, 1939.

Mich.–36. A solution of normal equations giving the standard errors of the constants. William Dowell Bateman. Vol. 61, No. 3. August 1, 1940.

Minn.–94. Periderm and cortex color inheritance in the potato. F. A. Krantz and Harold Mattson. Vol. 52, No. 1. January 1, 1936.

Minn.–95. Length of the dormant period in cereal seeds A. H. Larson, R. B. Harvey, and John Larson. Vol. 52, No. 11. June 1, 1936.

Minn.–96. The nature of resistance of flax to *Melampsora lini*. E. G. Sharvelle. Vol. 53, No. 2. July 15, 1936.

Minn.–97. A study of scab resistance in the potato. Henry M. Darling. Vol. 54, No. 4. February 15, 1937.

Minn.–98. Failure of diakinesis and metaphase pairing and the behavior during meiosis of univalent chromosomes in *Zea mays*. LeRoy Powers and A. O. Dahl. Vol. 54, No. 9. May 1, 1937.

Minn.–99. Further studies on the interrelationship of insects and fungi in the deterioration of felled Norway pine logs. J. G. Leach, L. W. Orr, and Clyde Christensen. Vol. 55, No. 2. July 15, 1937.

Minn.–100. The nature and interaction of genes conditioning reaction to rust in flax. W. M. Myers. Vol. 55, No. 9. November 1, 1937.

Minn.–101. The uronic acid content of the nitroge-free extracts of feeding stuffs. G. A. Guanzon and W. M. Sandstrom. Vol. 55, No. 8. October 15, 1937.

Minn.–102. Observations on the variations in cyanogenetic power of white clover plants. Charles F. Rogers and O. C. Frykolm. Vol. 55, No. 7. October 1, 1937.

Minn.–103. Studies on longevity and productivity in *Trichogramma evanescens*. Horace O. Lund. Vol. 56, No. 6. March 15, 1938.

Minn.–104. Meiotic instability as an inherited character in varieties of *Triticum aestivum*. W. M. Myers and LeRoy Powers. Vol. 56, No. 6. March 15, 1938.

Minn.–105. Directional permeability of seasoned woods to water and some factors which affect it. Harvey D. Erickson, Henry Schmitz, and R. A. Gortner. Vol. 56, No. 10. May 15, 1938.

Minn.–106. The measurement and inheritance of scab resistance in selfed and hybrid progenies of potatoes. J. G. Leach, F. A. Krantz, Phares Decker, and Harold Mattson. Vol. 56, No. 11. June 1, 1938.

Minn.–107. Moisture movement in wood above the fiber-saturation point. Louis W. Rees and Stanley J. Buckman. Vol. 57, No. 3. August 1, 1938.

Minn.–108. Effect of exterior temperature upon press fluid, shear force, and cooking losses of roasted beef and pork muscles. Alice M. Child and Mary J. Satorius. Vol. 57, No. 11. December 1, 1938.

Minn.–109. Inheritance studies in the interspecific cross *Solanum demissum* Lindl. × *S. tuberosum* L. Catherine L. Becker. Vol. 59, No. 1. July 1, 1939.

Minn. 110. Individual and breed variations in pigs on rations devoid of vitamin D. D. W. Johnson and L. S. Palmer. Vol. 58, No. 12. June 15, 1939.

Minn.–111. Incidence and inheritance of pollen sterility in the potato. F. A. Krantz, Catherine L. Becker, and Z. M. Fineman. Vol. 58, No. 8. April 15, 1939.

Minn–112. Inheritance in the cucumber. A. E. Hutchins. Vol. 60, No. 2. January 15, 1940.

Minn.–113. Comparison of a chemical and a biochemical method for determining the biological value of proteins and an evaluation of the endogenous nitrogen. Floyd C. Olson and Leroy S. Palmer. Vol. 60, No. 5. March 1, 1940.

Minn.–114. The effect of several chemicals on the swelling and the crushing strength of wood. Harvey D. Erickson and Louis W. Rees. Vol. 60, No. 9. May 1, 1940.

Minn.–115. The influence of temperature, moisture, and food upon the development and survival of the saw-toothed grain beetle. Edward L. Thomas and Harold H. Shepard. Vol. 60, No. 9. May 1, 1940.

Minn.–116. Genetic and cytologic studies of a brachytic mutation in barley. S. P. Swenson. Vol. 60, No. 10. May 15, 1940.

Nebr.–18. Response of two clonal strains of Triumph potatoes to various controlled environments. H. O. Werner. Vol. 61, No. 11. December 1, 1940.

N. J.–31. A statistical study of squab production in the White King breed. C. S. Platt. Vol. 54, No. 3. February 1, 1937.

N. J.–32. Respiration and lactic acid production by a fungus of the genus *Rhizopus*. Selman A. Waksman and J. W. Foster. Vol. 57, No. 12. December 15, 1938.

N. J.–33. Chemical effect on lead arsenate of certain salts which may be present in soil and spray waters. Joseph M. Ginsburg. Vol. 60, No. 3. February 1, 1940.

N. Mex.–6. Nutritive value for dairy cows of alfalfa hay injured by sulphur dioxide. O. C. Cunningham, L. H. Addington, and Lewis T. Elliot. Vol. 55, No. 5. September 1, 1937.

N. Mex.–7. Monthly variation in carotene content of two important range grasses, *Sporobolus flexuosus* and *Bouteloua eriopoda*. W. E. Watkins. Vol. 58, No. 9. May 1, 1939.

N. Y. (Cornell)–33. The toxic effects of naphthalene on *Brucus obtectus* and *Tenebrio molitor* in various stages of development. Louis Pyenson and G. F. MacLeod. Vol. 52, No. 9. May 1, 1936.

N. Y. (Cornell)–34. Seed germination in *Lobelia* with special reference to the influence of light on *Lobelia inflata*. W. C. Muenscher. Vol. 52, No. 8. April 15, 1936.

N. Y. (Cornell)–35. The honeybee and the beehive in relation to fire blight. E. M. Hildebrand and E. F. Phillips. Vol. 52, No. 10. May 15, 1936.

N. Y. (Cornell)–36. Relative efficiency for growing lambs of the protein in rations supplemented by soybean-oil meal, linseed meal or corn-gluten meal. John I. Miller, F. B. Morrison, and L. A. Maynard. Vol. 54, No. 6. March 15, 1937.

N. Y. (Cornell)–37. Variations in egg-quality characters in certain breeds, varieties, and strains of chickens. A. Van Wagenen, G. O. Hall, and H. S. Wilgus, Jr. Vol. 54, No. 10. May 15, 1937.

N. Y. (Cornell)–38. The biology of microtine cycles. W. J. Hamilton, Jr. Vol. 54, No. 10. May 15, 1937.

N. Y. (Cornell)–39. Effect of protein deficiency in the ration on the amount of feed consumed by lambs. John I. Miller. Vol. 55, No. 6. September 15, 1937.

N. Y. (Cornell)–40. Certain relationships between the calcium and oxalate content of foliage of certain forest trees. Robert F. Chandler, Jr. Vol. 55, No. 5. September 1, 1937.

N. Y. (Cornell)–41. Relative efficiency for growing lambs of the protein in rations containing alfalfa hay, timothy hay, and combinations of the two hays. J. I. Miller and F. B. Morrison. Vol. 58, No. 2. January 15, 1939.

N. Y. (Cornell)–42. Breed differences in resistance to a deficiency of vitamin B_1 in the fowl. W. F. Lamoreux and F. B. Hutt. Vol. 58, No. 4. February 15, 1939.

N. Y. (Cornell)–43. Effect of temperature on the rate of deterioration of fresh vegetables. Hans Platenius. Vol. 59, No. 1. July 15, 1939.

N. Y. (Cornell)–44. Cation exchange properties of certain forest soils in the Adirondack section. R. F. Chandler, Jr. Vol. 59, No. 7. October 1, 1939.

N. Y. (Cornell)–45. The reproductive efficiency of the albino rat under different breeding conditions. M. J. Babcock, R. Bogart, G. Sperling, and S. A. Asdell. Vol. 60, No. 12. June 15, 1940.

N. Y. (Cornell)–46. The influence of intensity of egg production upon infertility in the domestic fowl. W. F. Lamoreux. Vol. 61, No. 3. August 1, 1940.

N. Y. (Cornell)–47. Cane gall of brambles caused by *Phytomonas rubi* n. sp. E. M. Hildebrand. Vol. 61, No. 9. November 1, 1940.

N. Y. (Geneva)–12. Chemical elimination of saprophytes during laboratory germination of seed peas. Willard Crosier and Stewart Patrick. Vol. 58, No. 6. March 15, 1939.

N. Y. (Geneva)–13. Effect of bordeaux mixture and its various elements on transpiration. James G. Horsfall and A. L. Harrison. Vol. 58, No. 6. March 15, 1939.

N. Y. (Geneva)–14. Dwarfing of cucurbits sprayed with bordeaux mixture. J. G. Horsfall, G. E. R. Hervey, and R. F. Suit. Vol. 58, No. 12. June 15, 1939.

N. Y. (Geneva)–15. The preparation and painting of maple-sugar-producing equipment. C. O. Willits and C. J. Tressler, Jr. Vol. 59, No. 2. July 15, 1939.

N. Y. (Geneva)–16. Occurrence and longevity of *Ascochyta pisi* in seeds of hairy vetch. Willard Crosier. Vol. 59, No. 9. November 1, 1939.

N. C.–32. The function of copper in soils and its relation to the availability of iron and manganese. L. G. Willis and J. R. Piland. Vol. 52, No. 6. March 15, 1936.

N. C.–33. Rough *Salmonella pullorum* variants from chicks. H. C. Gauger. Vol. 53., No. 3. August 1, 1936.

N. C.–34. A critical evaluation of the rat-growth method for determining vitamin B and its content in meals from certain oily seeds. F. W. Sherwood and J. O. Halverson. Vol. 56, No. 12. June 15, 1938.

N. C.–35. The vitamin G content of some oil press-cake meals and related products. F. W. Sherwood and J. O. Halverson. Vol. 60, No. 2. January 15, 1940.

N. C.–36. The vitamin A activity and the vitamin B, content of soybeans and cowpeas. J. O. Halverson and F. W. Sherwood. Vol. 60, No. 2. January 15, 1940.

N. Dak.–12. The effect of leaf rust accompanied by heat upon yield, kernel weight, bushel weight, and protein content of hard red spring wheat. L. R. Waldron. Vol. 53, No. 6. September 15, 1936.

N. Dak.–13. The influence of cooking and canning on the vitamin B and G content of lean beef and pork. F. W. Christensen, Esther Latzke, and T. H. Hopper. Vol. 53, No. 6. September 15, 1936.

N. Dak.–14. Influence of black point disease, seed treatment, and origin of seed on stand and yield of hard red spring wheat. L. R. Waldron. Vol. 53, No. 10. November 15, 1936.

N. Dak.–15. Studies on the inheritance and development of fruit size and shape in the tomato. A. F. Yeager. Vol. 55, No. 2. July 15, 1937.

N. Dak.–16. Digestible nutrients and metabolizable energy in certain silages, hays, and mixed rations. F. W. Christensen and T. H. Hopper. Vol. 57, No. 7. October 1, 1938.

N. Dak.–17. Effectiveness of heat penetration in the canning of meat in the home by the pressure cooker. Casper I. Nelson and Dorothy Berrigan. Vol. 59, No. 6. September 15, 1939.

N. Dak.–18. Effectiveness of heat penetration in meat canned in glass jars in a pressure cooker. Casper I. Nelson and Darline Knowles. Vol. 61, No. 10. November 15, 1940.

Ohio–20. Response of wheat varieties to different fertility levels. C. A. Lamb and Robert M. Salter. Vol. 53, No. 2. July 15, 1936.

Ohio–21. A study of the effect of *Brucella abortus* in udderless cows. B. H. Edgington. Vol. 53, No. 3. August 1, 1936.

Ohio–22. Fasciation of sweet peas caused by *Phytomonas fascians* n. sp. Paul E. Tilford. Vol. 53, No. 5. September 1, 1936.

Ohio–23. The effect of mechanical processing of feeds on the mastication and rumination of steers. C. H. Kick, Paul Gerlaugh, A. F. Schalk, and E. A. Silver. Vol. 55, No. 8. October 15, 1937.

Ohio–24. Response of oat varieties to different fertility levels. C. A. Lamb and Robert M. Salter. Vol. 55, No. 10. November 15, 1937.

Ohio–25. The modification of flower structure by environment in varieties of *Lycopersicum esculentum*. Freeman S. Howlett. Vol. 58, No. 2. January 15, 1939.

Ohio–26. Anatomy of the hypocotyl and roots of *Daucus carota*. Leon Havis. Vol. 58, No. 8. April 15, 1939.

Ohio–27. Infection and reinfection experiments with Bang's disease. B. H. Edgington and C. R. Donham. Vol. 59, No. 8. October 15, 1939.

Ohio–28. Further studies on root characteristics of winter wheat in relation to winter injury. C. A. Lamb. Vol. 59, No. 9. November 1, 1939.

Ohio–29. A developmental analysis of kohlrabi and cabbage stems. A. Leon Havis. Vol. 61, No. 6. September 15, 1940.

Okla.–24. The effect of calcium carbonate and sodium bicarbonate on the toxicity of gossypol. Willis D. Gallup and Ruth Reder. Vol. 52, No. 1. January 1, 1936.

Okla.–25. The composition and digestibility of mung-bean silage, with observations on the silica-ratio procedure for studying digestibility. Willis D. Gallup and A. H. Kuhlman. Vol. 52, No. 11. June 1, 1936.

Okla.–26. Sorghum characters grouped by multiple correlations. J. C. Ireland. Vol. 56, No. 9. May 1, 1938.

Okla.–27. The effect of adding blackstrap molasses to a lamb-fattening ration. H. M. Briggs and V. G. Heller. Vol. 60, No. 1. January 1, 1940.

Pa.–53. The progress of the distribution of salt in ham during the curing process. R. C. Miller and P. T. Ziegler. Vol. 52, No. 3. February 1, 1936.

Pa.–54. Accuracy of the determination of lead and arsenic on apples. Donald E. H. Frear and W. S. Hodgkiss. Vol. 52, No. 8. April 15, 1936.

Pa.–55. The influence of commercial fertilizers, potassium iodide, and soil acidity on the iodine content of certain vegetables. Warren B. Mack and Eugene P. Brasher. Vol. 53, No. 10. November 15, 1936.

Pa.–56. The distribution and condition of the potassium in a differentially fertilized Hagerstown clay loam soil planted to apple trees in cylinders. Walter Thomas. Vol. 53, No. 7. October 1, 1936.

Pa.–57. Growth substances in relation to the mechanism of the action of radiation on plants. H. W. Popp and H. R. C. McIlvaine. Vol. 55, No. 12. December 15, 1937.

Pa.–58. The carbon metabolism of *Fusarium lycopersici* on glucose. Gordon H. Pritham and Arthur K. Anderson. Vol. 55, No. 12. December 15, 1937.

Pa.–59. Foliar diagnosis in relation to development and fertilizer treatment of the potato. Walter Thomas and Warren B. Mack. Vol. 57, No. 6. September 15, 1938.

Pa.–60. The foliar diagnosis of *Zea mays* subjected to differential fertilizer treatment. Walter Thomas and Warren B. Mack. Vol. 58, No. 7. April 1, 1939.

Pa.–61. Prenatal and postnatal sex ratio in sheep. William Lewis Henning. Vol. 58, No. 8. April 15, 1939.

Pa.–62. A foliar diagnosis study of the influence of calcium from two sources, lime and superphosphate. Walter Thomas and Warren B. Mack. Vol. 58, No. 9. May 1, 1939.

Pa.–63. A foliar diagnosis study of the effect of three nitrogen carriers on the nutrition of *Zea mays*. Walter Thomas and Warren B. Mack. Vol. 59, No. 4. August 15, 1935.

Pa.–64. Further studies on growth substances in relation to the mechanism of the action of radiation on plants. H. R. C. McIlvaine and H. W. Popp. Vol. 60, No. 3. February 1, 1940.

Pa.–65. Foliar diagnosis of differentially fertilized greenhouse tomatoes with and without manure. Walter Thomas and Warren B. Mack. Vol. 60, No. 12. June 15, 1940.

Pa.–66. Digestible nutrients of feeding stuffs for the domestic rabbit. LeRoy Voris, Lawson F. Marcy, Edward J. Thacker, and Walter W. Wainio. Vol. 61, No. 9. November 1, 1940.

R. I.–4. The isolation of a hemophilic bacillus in pure culture and the reaction of chickens to extranasal inoculations thereof. J. P. Delaplane, L. E. Erwin, and H. O. Stuart. Vol. 52, No. 5. March 1, 1936.

R. I.–5. The effect of the X factor, of sodium chloride, and of the composition of the nutrient media upon the growth of the fowl coryza bacillus, *Hemophilus gallinarum*. J. P. Delaplane, L. E. Erwin, and H. O. Stuart. Vol. 56, No. 12. June 15, 1938.

S. Dak.–2. A comparison of the vitamin D potency of the stemmy and leafy portions of alfalfa hay. G. C. Wallis. Vol. 57, No. 5. September 1, 1938.

S. Dak.–3. Diameter relationships of wool fibers from five breeds of sheep raised in South Dakota. Barbara Bailey. Vol. 60, No. 6. March 15, 1940.

S. Dak.–4. Effect of corn, wheat, and barley in the diet on the physical and chemical composition of fryers and roasters. W. E. Poley, A. L. Moxon, W. O. Wilson, and R. L. Dolecek. Vol. 61, No. 3. August 1, 1940.

S. Dak.–5. Effect of corn, wheat, and barley in the diet on the flavor of fried and roasted chickens. W. E. Poley, Amanda Rosenquist, and A. L. Moxon. Vol. 61, No. 3. August 1, 1940.

Tex.–13. Apparatus and procedure for separating cotton root rot sclerotia from soil samples. C. H. Rogers. Vol. 52, No. 1. January 1, 1936.

Tex.–14. Chromosome behavior in blackberry-raspberry hybrids. S. H. Yarnell. Vol. 52, No. 5. March 1, 1936.

Tex.–15. Role of insects in the distribution of cotton wilt caused by *Fusarium vasinfectum*. J. J. Taubenhaus and L. Dean Christenson. Vol. 53, No. 9. November 1, 1936.

Tex.–16. Relation of the carotene content of certain feed materials to their vitamin A potency. G. S. Fraps, Ray Treichler, and A. R. Kemmerer. Vol. 53, No. 9. November 1, 1936.

Tex.–17. Localization of pentosans in the resin glands of the cotton embryo. R. G. Reeves and J. O. Beasley. Vol. 54, No. 9. May 1, 1937.

Tex.–18. Evaluation of some soil fungicides by laboratory tests with *Phymatotrichum omnivorum*. Walter N. Ezekiel. Vol. 56, No. 8. April 15, 1938.

Tex.–19. Tests with pentachlorethane, tetrachlorethane, and xylol to determine their efficiency in controlling phymatotrichum root rot in the field. Walter N. Ezekiel. Vol. 56, No. 8. April 15, 1938.

Tex.–20. Studies on the cause of immunity of monocotyledonous plants to to phymatotrichum root rot. Walter N. Ezekiel and J. F. Fudge. Vol. 56, No. 10. May 15, 1938.

Tex.–21. The relation of moisture and temperature to growth of the cotton root rot fungus. C. H. Rogers. Vol. 58, No. 9. May 1, 1939.

Tex.–22. Relation of gain in weight to gain in energy content of growing chicks. G. S. Fraps and E. C. Carlyle. Vol. 59, No. 10. November 15, 1939.

Tex.–23. The toxicity of *Sartwellia flaveriae* for goats. Frank P. Mathews. Vol. 61, No. 4. August 15, 1940.

Utah–34. The role of the capillary potential in the dynamics of soil moisture. Willard Gardner. Vol. 53, No. 1. July 1, 1936.

Vt.–6. Growth, chemical composition, and efficiency of normal and mosaic potato plants in the field. Winona E. Stone. Vol. 52, No. 4. February 15, 1936.

Va.–14. Morphology of the digestive tract of the blackfly (*Simulium nigroparvum*). James A. Cox. Vol. 57, No. 6. September 15, 1938.

Va.–15. Frenching of tobacco distinguished from thallium toxicity by spectrographic analysis. G. M. Shear and H. D. Ussery. Vol. 60, No. 2. January 15, 1940.

Wash.–24. Factors affecting the vitamin C content of apples. E. L. Batchelder and E. L. Overholser. Vol. 53, No. 7. October 1, 1936.

Wash.–25. The determination of the apparent digestibility of green and cured grass by modified procedures. J. C. Knott, H. K. Murer, and R. E. Hodgson. Vol. 53, No. 7. October 1, 1936.

Wash.–26. The chemical composition and nutritive value of certain cereal hays as affected by plant maturity. Jerry Sotola. Vol. 54, No. 6. March 15, 1937.

Wash.–27. Relationship between yolk index, percentage of firm white, and albumen index. Victor Heiman and L. A. Wilhelm. Vol. 54, No. 7. April 1, 1937.

Wash.–28. Two mosaic diseases of peas in Washington. Folke Johnson and Leon K. Jones. Vol. 54, No. 8. April 15, 1937.

Wash.–29. The susceptibility of potatoes to the vein-banding virus. Leon K. Jones and C. L. Vincent. Vol. 55, No. 1. July 1, 1937.

Wash.–30. Resistance in the red raspberry to the mosaic vector *Amphorophora rubi* Kalt. Glenn A. Huber and C. D. Schwartze. Vol. 57, No. 8. October 15, 1938.

Wash.–31. Seasonal variation in composition of bluebunch fescue. Ralph McCall. Vol. 58, No. 8. April 15, 1939.

Wash.–32. The digestibility of mature range grasses and range mixtures fed alone and with supplements. Ralph McCall. Vol. 60, No. 1. January 1, 1940.

Wash.–33. Toxicity to sheep of lead arsenate and lead arsenate spray residues. J. L. St. John, E. C. McCulloch, J. Sotola, and E. N. Todhunter. Vol. 60, No. 5. March 1, 1940.

Wash.–34. The resistance of progeny of Katahdin potatoes to viroses. Leon K. Jones, C. L. Vincent, and Earl F. Burk. Vol. 60, No. 9. May 1, 1940.

Wash.–35. The chemical composition and apparent digestibility of nutrients in crested wheatgrass harvested in three stages of maturity. Jerry Sotola. Vol. 61, No. 4. August 15, 1940.

Wash.–36. The apparent digestibility and nutritive value of beardless wheatgrass at three stages of maturity. William H. Burkitt. Vol. 61, No. 6. September 15, 1940.

W. Va.–11. Studies on the inheritance of resistance to wilt (*Fusarium niveum*) in watermelon. L. S. Bennett. Vol. 53, No. 4. August 15, 1936.

W. Va.–12. Soil properties determining the botanical composition of pastures in West Virginia. R. R. Robinson. Vol. 54, No. 12. June 15, 1937.
W. Va.–13. An undescribed potato disease in West Virginia. C. R. Orton and L. M. Hill. Vol. 55, No. 2. July 15, 1937.
W. Va.–14. Microchemical studies of potato tubers affected with blue stem disease. L. M. Hill and C. R. Orton. Vol. 57, No. 5. September 1, 1938.
W. Va.–15. Bilateral variation in the weight and composition of the long bones of some experimental animals. Chas. E. Weakley, Jr., and R. B. Dustman. Vol. 58, No. 9. May 1, 1939.
Wis.–75. Behavior of the ordinary tobacco mosaic virus in the soil. Ismé A. Hoggan and James Johnson. Vol. 52, No. 4. February 15, 1936.
Wis.–76. Some environmental factors influencing the development of hairy root on apple. A. J. Riker, D. H. Palmiter, and E. M. Hildebrand. Vol. 52, No. 9. May 1, 1936.
Wis.–77. The toxicity of certain chemical agents to *Erwinia amylovora*. G. W. Keitt, J. A. Pinckard, Luther Shaw, and A. J. Riker. Vol. 53, No. 4. August 15, 1936.
Wis.–78. Resistance to bacterial wilt of open-pollinated varieties of sweet, dent, and flint corn. S. S. Ivanoff. Vol. 53, No. 12. December 15, 1936.
Wis.–79. Resistance to bacterial wilt of inbred strains and crosses of sweet corn. S. S. Ivanoff and A. J. Riker. Vol. 53, No. 12. December 15, 1936.
Wis.–80. Effect of fertilizer on quality and chemical composition of canning peas. F. L. Musbach and Otto E. Sell. Vol. 53, No. 11. December 1, 1936.
Wis.–81. Analysis of variation in the sexual cycle and some of its component phases with special reference to cattle. A. B. Chapman and L. E. Casida. Vol. 54, No. 6. March 15, 1937.
Wis.–82. Carbon dioxide exchange rhythm and fruitfulness in plants of different reproductive habits. R. H. Roberts, James E. Kraus, and Norman Livingston. Vol. 54, No. 5. March 1, 1937.
Wis.–83. Factors relating to the control of ordinary tobacco mosaic. James Johnson. Vol. 54, No. 4. February 15, 1937.
Wis.–84. The production of milk of abnormal composition by animals free from udder streptococci. E. G. Hastings and B. A. Beach. Vol. 54, No. 3. February 1, 1937.
Wis.–85. The nitrogen metabolism of the crown gall and hairy root bacteria. H. A. Conner, W. H. Peterson, and A. J. Riker. Vol. 54 No. 8. April 15, 1937.
Wis.–86. Changes in weight and nitrogen content of adult worker bees on a protein-free diet. Mykola H. Haydak. Vol. 54, No. 10. May 15, 1937.
Wis.–87. Potentialities of eradicant fungicides for combating apple scab and some other plant diseases. G. W. Keitt and D. H. Palmiter. Vol. 55, No. 6. September 15, 1937.
Wis.–88. The toxicity of copper-lime-arsenic mixtures to certain phytopathogenic fungi grown on malt agar plates. D. H. Palmiter and G. W. Keitt. Vol. 55, No. 6. September 15, 1937.
Wis.–89. Relation of water-soaked tissues to infection by *Bacterium angulatum* and *Bact. tabacum* and other organisms. James Johnson. Vol. 55, No. 8. October 15, 1937.
Wis.–90. Macrosporogenesis and embryo-sac development in *Euchlaena mexicana* and *Zea mays*. D. C. Cooper. Vol. 55, No. 7. October 1, 1937.
Wis.–91. Effect of species of host plant on nitrogen fixation in *Melilotus*. P. W. Wilson, J. E. Burton, and V. S. Bond. Vol. 55, No. 8. October 15, 1937.
Wis.–92. The effects of temperature and other environmental factors upon the photoperiodic responses of some of the higher plants. R. H. Roberts and B. Esther Struckmeyer. Vol. 56, No. 9. May 1, 1938.
Wis.–93. A cytological study of host-parasite relations of *Venturia inaequalis* on apple leaves. Charles J. Nusbaum and G. W. Keitt. Vol. 56, No. 8. April 15, 1938.
Wis.–94. Growth substance and the development of crown gall. S. B. Locke, A. J. Riker, and B. M. Duggar. Vol. 57, No. 1. July 1, 1938.
Wis.–95. Relation of bitterness to the toxic principle in sweetclover. William K. Smith and R. A. Brink. Vol. 57, No. 2. July 15, 1938.
Wis.–96. Some physiological studies of crown gall and contiguous tissue. R. Nagy and A. J. Riker. Vol. 57, No. 7. October 1, 1938.
Wis.–97. Proteolytic activity in relation to the blackening of potatoes after cooking. A. Frank Ross and W. E. Tottingham. Vol. 57, No. 6. September 15, 1938.
Wis.–98. Physiological conditions which produce wing development in the pea aphid. Carl W. Schaefer. Vol. 57, No. 11. December 1, 1938.
Wis.–99. Soil-fertility standards for growing northern conifers in forest nurseries. S. A. Wilde. Vol. 57, No. 12. December 15, 1938.
Wis.–100. A further study of the production of milk of abnormal composition by cows free from udder streptococci. E. G. Hastings and B. A. Beach. Vol. 58, No. 7. April 1, 1939.
Wis.–101. Differential survival of alfalfa strains under an ice sheet. R. A. Brink, W. Keller, and C. Eisenhart. Vol. 59, No. 1. July 1, 1939.
Wis.–102. Yellow dwarf of potato in Wisconsin. J. C. Walker and R. H. Larson. Vol. 59, No. 4. August 15, 1939.
Wis.–103. A mosaic disease of cabbage. R. H. Larson and J. C. Walker. Vol. 59, No. 5. September 1, 1939.
Wis.–104. The nature of growth substance originating in crown gall tissue. S. B. Locke, A. J. Riker, and B. M. Duggar. Vol. 59, No. 7. October 1, 1939.
Wis.–105. Production of growth substance on peptone broth by crown gall bacteria and related non-gall-forming organisms. S. B. Locke, A. J. Riker, and B. M. Duggar. Vol. 59, No 7. October 1, 1939.
Wis.–106. Effect of moisture, fertility, and fertilizer placement on root rot of canning peas in Wisconsin. J. C. Walker and F. L. Musbach. Vol. 59, No. 8. October 15, 1939.
Wis.–107. Relation of temperature and moisture to near-wilt of pea. Walter J. Virgin and J. C. Walker. Vol. 59, No. 8. October 15, 1939.

318215—41——4

Wis.–108. Further studies of the effects of temperature and other environmental factors upon the photoperiodic responses of plants. R. H. Roberts and B. Esther Struckmeyer. Vol. 59, No. 9. November 1, 1939.
Wis.–109. Correlated inheritance in oats of reaction to smuts, crown rust, stem rust, and other characters. James H. Torrie. Vol. 59, No. 11. December 1, 1939.
Wis.–110. Injury to pea vines caused by the feeding of the pea aphid. C. E. Dieter and H. F. Wilson. Vol. 59, No. 11. December 1, 1939.
Wis.–111. Relation of the near-wilt fungus to the pea plant. W. J. Virgin and J. C. Walker. Vol. 60, No. 4. February 15, 1940.
Wis.–112. The deterioration of the bovine udder in the absence of streptococci. E. G. Hastings and E. H. Peterson. Vol. 60, No. 3. February 1, 1940.
Wis.–113. Influence of the physiological age of the pea plant on its recovery from aphid damage. Cecil D. Harrington and Ed. M. Searls. Vol. 60, No. 3. February 1, 1940.
Wis.–114. Partial self-incompatibility and the collapse of fertile ovules as factors affecting seed formation in alfalfa. D. C. Cooper and R. A. Brink. Vol. 60, No. 7. April 1, 1940.
Wis.–115. The effect of alkaline dust diluents on toxicity of rotenone-bearing roots as determined by tests with houseflies. T. C. Allen and J. W. Brooks. Vol. 60, No. 12. June 15, 1940.
Wis.–116. The significance of the "ceased" reactor to Bang's disease. B. A. Beach, M. R. Irwin, and L. C. Ferguson. Vol. 61, No. 1. July 1, 1940.
Wis.–117. Pea seed treatment with chemical dusts. J. C. Walker, E. J. Delwiche, and Paul G. Smith. Vol. 61, No. 2. July 15, 1940.
Wis.–118. Soil-fertility standards for growing northern hardwoods in forest nurseries. S. A. Wilde and W. E. Patzer. Vol. 61, No. 3. August 1, 1940.
Wis.–119. The effect of some mineral nutrients on the development of clubroot of crucifers. Dean E. Pryor. Vol. 61, No. 2. July 15, 1940.
Wis.–120. Factors influencing the carbon metabolism of the crown gall organism. F. C. McIntire, W. H. Peterson, and A. J. Riker. Vol. 61, No. 4. August 15, 1940.
Wis.–121. Estimates of producing ability in dairy cattle. G. E. Dickerson. Vol. 61, No. 8. October 15, 1940.
Hawaii–3. Nutritive value of the protein of *Cajanus indicus*. Carey D. Miller and Ruth C. Robbins. Vol. 53, No. 4. August 15, 1936.
Hawaii–4. An analysis of growth and yield relationships of coffeetrees in the Kona District, Hawaii. J. H. Beaumont. Vol. 59, No. 3. August 1, 1939.
Hawaii–5. Relationships between rainfall and coffee yields in the Kona District, Hawaii. L. A. Dean. Vol. 59, No. 3. August 1, 1939.
Hawaii–6. The development of the fruit of *Macadamia ternifolia*. M. E. Hartung and W. B. Storey. Vol. 59, No. 6. September 15, 1939.

LEAFLETS

113. Honey and some of its uses. Elizabeth Fuller Whiteman and Fanny Walker Yeatman. 8 p. 1936.
114. Vine-mesquite for erosion control on southwestern ranges. Barnard A. Hendricks. 8 p. 1936.
115. Timothy-seed production. Morgan W. Evans. 8 p. 1936.
116. Growing the Jerusalem artichoke. Victor R. Boswell. 8 p. 1936.
117. Quality guides in buying women's cloth coats. Clarice L. Scott. 8 p. 1936.
118. Controlling lungworms of swine. Benjamin Schwartz. 5 p. 1936.
119. White clover. E. A. Hollowell. 8 p. 1936.
120. Excluding birds from reservoirs and fishponds. W. L. McAtee and S. E. Piper. 6 p. 1936.
121. The sweetpotato weevil and how to control it. K. L. Cockerham. 6 p. 1937.
122. How the grading is done. Bureau of Agricultural Economics. 7 p. 1936.
123. The farmer's share of the consumer's food dollar. Bureau of Agricultural Economics. 6 p. 1937. Rev. 1939.
124. Sash greenhouses. J. H. Beattie. 8 p. 1937.
125. Production of carrots. J. H. Beattie. 4 p. 1937. Rev. 1938.
126. Rhubarb production. J. H. Beattie. 4 p. 1937.
127. The culture of table beets. J. H. Beattie. 4 p. 1937.
128. Production of spinach. J. H. Beattie. 8 p. 1937.
129. Production and preparation of horseradish. W. R. Beattie. 6 p. 1937.
130. Cauliflower and heading broccoli production. J. H. Beattie. 6 p. 1937.
131. Production of eggplant. J. H. Beattie. 4 p. 1937.
132. Den hunting as a means of coyote control. Stanley P. Young and Harold W. Dobyns. 8 p. 1937.
133. Production of chicory and endive. W. R. Beattie. 6 p. 1937.
134. Production of water cress. J. H. Beattie. 4 p. 1938.
135. Production of salsify or vegetable-oyster. W. R. Beattie. 2 p. 1938.
136. Production of parsley. J. H. Beattie. 5 p. 1937.
137. Rhubarb forcing. J. H. Beattie. 4 p. 1937.
138. Production of garlic. J. H. Beattie. 5 p. 1937. Rev. 1938.
139. Production of roselle. J. H. Beattie. 4 p. 1937.
140. Production of peppers. J. H. Beattie and S. P. Doolittle. 4 p. 1937.
141. Production of pumpkins and squashes. Ross C. Thompson. 8 p. 1937.
142. Production of turnips and rutabagas. W. R. Beattie. 4 p. 1937.
143. Production of kale. Ross C. Thompson. 4 p. 1937.
144. Cockroaches and their control. E. A. Back. 6 p. 1937.
145. Clothes moths. E. A. Back. 8 p. 1938. Rev. 1940.
146. Bedbugs. E. A. Back. 8 p. 1937.
147. House ants. E. A. Back. 8 p. 1937.
148. When to cut rice. W. D. Smith and Jenkin W. Jones. 5 p. 1937.
149. Silverfish. E. A. Back. 4 p. 1937.
150. Carpet beetles. E. A. Back. 6 p. 1938.
151. Effects of feeds and saw speeds on cotton turn-out and quality. Charles A. Bennett and Francis L. Gerdes. 4 p. 1937.

152. How to control fleas. F. C. Bishopp. 4 p. 1937.
163. Legumes in soil conservation practices. A. J. Pieters. 8 p. 1938.
154. Production of parsnips. J. H. Beattie and W. R. Beattie. 4 p. 1938.
155. Growing nursery stock of southern pines. M. A. Huberman. 8 p. 1938.
156. Harvesting and selling seed of southern pines. Philip C. Wakeley. 8 p. 1938.
157. Production of radishes. J. H. Beattie and W. R. Beattie. 4 p. 1938.
158. Quince growing. H. P. Gould. 4 p. 1938.
159. Planting southern pines. Philip C. Wakeley. 8 p. 1938.
160. Crimson clover. E. A. Hollowell. 8 p. 1938.
161. The eastern tent caterpillar. F. M. Wadley. 4 p. 1938.
162. Screwworm control. W. E. Dove. 6 p. 1938.
163. Legumes in soil conservation practices. A. J. Pieters. 8 p. 1938. 9
164. Erosion on roads and adjacent lands. Arnold M. Davis. 8 p. 1938.
165. Soil-depleting, soil-conserving, and soil-building crops. A. J. Pieters. 8 p. 1938.
166. Soybeans for the table. Elizabeth Fuller Whiteman and Ellen Kingsley Keyt. 6 p. 1938.
167. Facts about cotton. Bureau of Agricultural Economics. 8 p. 1938.
168. Dual-purpose pines. Forest Service. 8 p. 1939.
169. Preventing gin damage to cotton. Francis L. Gerdes and Charles A. Bennett. 8 p. 1938.
170. Date growing in the United States. Roy W. Nixon and Dewey C. Moore. 8 p. 1939.
171. The timothy crop. Morgan W. Evans. 6 p. 1939.
172. Why fruit trees fail to bear. H. P. Gould. 5 p. 1939.
173. The bud-graft method of propagating vinifera grape varieties on rootstocks. Elmer Snyder and F. N. Harmon. 5 p. 1939.
174. Bean bacterial wilt. Florence Hedges. 6 p. 1939.
175. Eradication of the cultivated black currant in white pine regions. J. F. Martin. 8 p. 1939.
176. Strawberry clover. E. A. Hollowell. 8 p. 1939.
177. The pasteurization of milk. C. J. Babcock. 4 p. 1939.
178. Dwarf fruits. H. P. Gould. 8 p. 1939.
179. The native papaw. H. P. Gould. 6 p. 1939.
180. How to keep and increase black grama on southwestern ranges. R. S. Campbell and Edward C. Crafts. 8 p. 1939.
181. Drying seed cotton. Francis L. Gerdes, William J. Martin, and Charles A. Bennett. 8 p. 1939.
182. Housefly control. F. C. Bishopp. 6 p. 1939.
183. Cankerworms. T. H. Jones. 8 p. 1939.
184. The elm leaf beetle. C. W. Collins. 6 p. 1939.
185. Elm bark beetles. T. H. Jones. 8 p. 1939.
186. Domestic mosquitoes. F. C. Bishopp. 8 p. 1939.
187. Blight of pears, apples, and quinces. John W. Roberts. 4 p. 1939.
188. Protecting field borders. Verne E. Davison. 8 p. 1939.
189. Psocids, annoying house pests. E. A. Back. 4 p. 1939.
190. Mulching to establish vegetation on eroded areas of the Southeast. Sydney Franklin. 8 p. 1939.
191. Liquified gas for the household. A. H. Senner and Helen S. Holbrook. 8 p. 1939.
192. Centipedes and millipedes in the house. E. A. Back. 6 p. 1939.
193. Fireproofing Christmas trees. Martin Leatherman. 5 p. 1939.
194. The oriental persimmon. H. P. Gould. 8 p. 1940.
195. Mealworms. R. T. Cotton. 5 p. 1940.
196. The ryegrasses. H. A. Schoth and M. A. Hein. 8 p. 1940.
197. Powdery mildew of ornamental plants. Freeman Weiss. 4 p. 1940.
198. Cottonseed treatment. R. J. Haskell and H. D. Barker. 8 p. 1940.
199. Gardenia culture. Guy E. Yerkes, Furman Lloyd Mulford, Lucia McCulloch, and Floyd F. Smith. 8 p. 1940.
200. Shrubs for wildlife on farms in the Southeast. Verne E. Davison. [8] p. 1940.
201. Blueberries. George M. Darrow. 8 p. 1940.
202. Grafting-wax melter. B. G. Sitton and E. P. Akin. 5 p. 1940.
203. Disease-resistant varieties of vegetables for the home garden. R. J. Haskell and V. R. Boswell. 8 p. 1940.
204. Fats and oils for cooking and table use. Elizabeth Fuller Whiteman and Florance B. King. 8 p. 1940.
205. The horn fly and its control. W. G. Bruce. 5 p. 1940.

MISCELLANEOUS PUBLICATIONS

217. Forest trees and forest regions of the United States. Wilbur R. Mattoon. 55 p. 1936.
227. Motion pictures of the United States Department of Agriculture. 1935. 38 p. 1936.
228. Market diseases of fruits and vegetables: Peaches, plums, cherries, and other stone fruits. Dean H. Rose, D. F. Fisher, Charles Brooks, and C. O. Bratley. 27 p. 1937.
229. Development and significance of the great soil groups of the United States. Charles E. Kellogg. 40 p. 1936.
230–231. Issued in 1935.
232. List of bulletins of the agricultural experiment stations for the calendar years 1933 and 1934. Catherine E. Pennington. 81 p. 1936.
233. List of technical workers in the Department of Agriculture and outline of Department functions. 1935. Office of Personnel and Business Administration. 132 p. 1936.
234. Workers in subjects pertaining to agriculture in State agricultural colleges and experiment stations. 1935–36. Mary A. Agnew. 133 p. 1936.
235. Issued in 1935.
236. Forecasting from synoptic weather charts. Richard Hanson Weightman. 47 p. 1936.
237. Food plants of the North American Indians. Elias Yanovsky. 84 p. 1936.
238. Directory of activities of the Bureau of Plant Industry. 130 p. 1936.
239. The vertical drier for seed cotton. Charles A. Bennett and Francis L. Gerdes. 22 p. 1936.
240. Colloid chemistry of cellulosic materials. Alfred J. Stamm. 91 p. 1936.

241. The genera of parasitic wasps of the braconid subfamily Euphorinae, with a review of the Nearctic species. C. F. W. Muesebeck. 38 p. 1936.
242. Development and use of standards for grade, color, and character of American cotton linters. Guy S. Meloy. 12 p. 1936.
243. Manual of the grasses of the West Indies. A. S. Hitchcock. 439 p. 1936.
244. Officials and organizations concerned with wildlife protection, 1936. Frank G. Grimes. 16 p. 1936.
245. List of periodicals currently received in the Library of the United States Department of Agriculture, June 1, 1936. Elizabeth G. Hopper and Lydia K. Wilkins. 337 p. 1936.
246. Menus and recipes for lunches at school. Rowena Schmidt Carpenter, Helen Nebeker Hann, and Fanny Walker Yeatman. 25 p. 1936.
247. Forestry and permanent prosperity. R. F. Hammatt. 20 p. 1936.
248. Peat land in the Pacific Coast States in relation to land and water resources. A. P. Dachnowski-Stokes. 68 p. 1936.
249. Careers in forestry. Forest Service. 16 p. 1938.
250. Tests of woods for butter containers with reference to imparting odor and flavor. E. M. Davis and G. C. Morbeck. 4 p. 1936.
251. A history of agricultural experimentation and research in the United States, 1607–1925, including a history of the United States Department of Agriculture. Alfred Charles True. 321 p. 1937.
252. List of publications of the United States Department of Agriculture from January 1931, to December 1935, inclusive. Mabel G. Hunt. 64 p. 1936.
253. Conservation farming practices and flood control. H. H. Bennett. 16 p. 1936.
254. Workers in subjects pertaining to agriculture in land-grant colleges and experiment stations, 1936–37. Mary A. Agnew. 135 p. 1937.
255. The farm outlook for 1937. Bureau of Agricultural Economics. 44 p. 1936.
256. Early erosion-control practices in Virginia. A. R. Hall. 31 p. 1937.
257. Water utilization by trees, with special reference to the economic forest species of the North Temperate Zone. Oran Raber. 97 p. 1937.
258. Annotated list of the insects and mites associated with stored grain and cereal products, and of their arthropod parasites and predators. R. T. Cotton and N. E. Good. 81 p. 1937.
259. Comparison of various chemical quick tests on different soils. M. S. Anderson and W. M. Noble. 24 p. 1937.
260. A graphic summary of physical features and land utilization in the United States. O. E. Baker. 57 p. 1937.
261. A graphic summary of farm tenure (based largely on the census of 1930 and 1935). H. A. Turner. 52 p. 1936.
262. A graphic summary of farm taxation. Donald Jackson. 17 p. 1937.
263. A graphic summary of the value of farm property (based largely on the census of 1930 and 1935). B. R. Stauber and M. M. Regan. 20 p. 1937.
264. A graphic summary of farm machinery, facilities, roads, and expenditures (based largely on the census of 1930 and 1935). O. E. Baker. 33 p. 1937.
265. A graphic summary of farm labor and population (based largely on the census of 1930 and 1935). J. C. Folsom and O. E. Baker. 48 p. 1937.
266. A graphic summary of the number, size, and type of farm, and value of products (based largely on the census of 1930 and 1935). O. E. Baker. 76 p. 1937.
267. A graphic summary of farm crops (based largely on the census of 1930 and 1935). O. E. Baker and A. B. Genung. 129 p. 1938.
268. A graphic summary of agricultural credit (based largely on the census of 1930 and 1935). Norman J. Wall and E. J. Engquist, Jr. 48 p. 1938.
269. A graphic summary of farm animals and animal products (based largely on the census of 1930 and 1935). O. E. Baker. 88 p. 1939.
270. Post-mortem examinations of wild birds and mammals. J. E. Shillinger and William Rush. 16 p. 1937.
271. A revision of the leafhoppers of the *Macrosteles* group (*Cicadula* of authors) in America north of Mexico. H. E. Dorst. 24 p. 1937.
272. Construction of private driveways. David M. Beach. 30 p. 1937.
273. Insect enemies of western forests. F. P. Keen. 210 p. 1938.
274. Soil survey manual. Charles E. Kellogg. 136 p. 1937.
275. Vitamin content of foods. A summary of the chemistry of vitamins, units of measurement, quantitative aspects in human nutrition, and occurrence in foods. Esther Peterson Daniel and Hazel E. Munsell. 176 p. 1937.
276. Officials and organizations concerned with wildlife protection, 1937. Frank G. Grimes. 15 p. 1937.
277. List of sires proved in dairy herd improvement associations, 1935–37. Bureau of Dairy Industry. 105 p. 1937.
278. Plans of farm buildings for Northeastern States. Bureau of Agricultural Engineering and the Extension Service in cooperation with several colleges and universities and their cooperative extension services in agriculture and home economics. 128 p. 1937.
279. Bibliography on highway lighting. Mildred A. Wilson. 30 p. 1937.
280. Bioclimatics: A science of life and climate relations. Andrew Delmar Hopkins. 188 p. 1938.
281. A selected bibliography on management of western ranges, livestock, and wildlife. F. G. Renner, Edward C. Crafts, Theo. C. Hartman, and Lincoln Ellison. 468 p. 1938.
282. Sales of cotton for future delivery, 1925–26 to 1935–36. Ronald E. Betts. 42 p. 1937.
283. Economic survey of the live-poultry industry in New York City. Gordon W. Sprague, Alexander Sturges, and James H. Radebaugh. 116 p. 1937.
284. Bibliography on land utilization, 1918–36. Louise O. Bercaw, Annie M. Hannay, and Mary G. Lacy. 1508 p. 1938.
285. Federal legislation, regulations, and rulings affecting cooperative extension work in agriculture and home economics. 31 p. 1937.
286. What is soil erosion? C. F. Stewart Sharpe. 84 p. 1938.
287. The distribution of important forest trees of the United States. E. N. Munns. 176 p. 1938.
288. Motion pictures of the United States Department of Agriculture, 1938. Extension Service. 24 p. 1938.

289. Utility of jack rabbit and cottontail skins. Chas. E. Kellogg. 8 p. 1937.
290. The work of the United States Forest Service. Forest Service. 40 p. 1938.
291. Teaching conservation of wildlife through 4–H clubs. Ruth Lohmann. 34 p. 1938.
292. Market diseases of fruits and vegetables: Crucifers and cucurbits. Glen B. Ramsey, James S. Wiant, and George K. K. Link. 74 p. 1938.
293. Soil conservation districts for erosion control. Soil Conservation Service. 19 p. 1937.
294. List of bulletins of the agricultural experiment stations for the calendar years 1935 and 1936. Catherine E. Pennington. 94 p. 1938.
295. Famous trees. Charles E. Randall and D. Priscilla Edgerton. 116 p. 1938.
296. Bibliography on highway safety. Mildred A. Wilson. 136 p. 1938.
297. Farm family living outlook for 1938. Bureau of Home Economics and Bureau of Agricultural Economics. 11 p. 1937.
298. The farm outlook for 1938. Bureau of Agricultural Economics. 43 p. 1937.
299. Workers in subjects pertaining to agriculture in land-grant colleges and experiment stations. 1937–38. Mary A. Agnew. 1938.
300. The National Poultry Improvement Plan. Bureau of Animal Industry. 23 p. 1938. Revised 1940.
301. Erosion and its control in Oklahoma Territory. Angus McDonald. 48 p. 1938.
302. Nuts and ways to use them. Elizabeth Fuller Whiteman. 9 p. 1938.
303. Native woody plants of the United States, their erosion-control and wildlife values. William R. Van Dersal. 362 p. 1938.
304. Directory of organization and field activities of the Department of Agriculture. Edmund Stephens. 194 p. 1938.
305. The horseflies of the subfamily Tabaninae of the Nearctic region. Alan Stone. 172 p. 1938.
306. The Forest Products Laboratory. A brief account of its work and aims. Forest Service. 33 p. 1938.
307. Knots in second-growth pine and the desirability of pruning. Benson H. Paul. 36 p. 1938.
308. Toward farm security. A. G. Black. 23 p. 1938.
309. Forest resources of the north-Louisiana delta. R. K. Winters, J. A. Putnam, I. F. Eldredge, and P. R. Wheeler. 49 p. 1938.
310. The classification of cotton. Bureau of Agricultural Economics. 54 p. 1938.
311. Farm building surveys in Wisconsin, Kansas, Georgia, and Illinois. J. R. Dodge. 16 p. 1938.
312. Bibliography on soil erosion and soil and water conservation. Stanley H. Gaines, Francesca Vincent, Marion Bloom, and James F. Carter. 651 p. 1938.
313. Forest resources of northeastern Florida. F. A. Ineson, I. F. Eldredge, M. M. Lehrbas, E. B. Faulks, and P. R. Wheeler. 40 p. 1938.
314. Overhead cleaner-drying systems for seed cotton. Charles A. Bennett and Charles S. Shaw. 20 p. 1938.
315. List of sires proved in dairy herd improvement associations, 1938. Bureau of Dairy Industry. 78 p. 1938.
316. Descriptions of types of principal American varieties of spinach. Roy Magruder, Victor R. Boswell, G. W. Scott, Paul Work, and Leslie R. Hawthorn. 60 p. 1938.
317. Improving poultry through the National Poultry Improvement Plan. Paul B. Zumbro, Melvin W. Buster, and J. D. Sykes. 9 p. 1938.
318. 4–H Club insect manual. M. P. Jones. 63 p. 1939.
319. Plans of farm buildings for Western States. Bureau of Agricultural Engineering and Extension Service in cooperation with 11 colleges and universities. 120 p. 1939.
320. Organization of 4–H Club work. A guide for local leaders. Gertrude L. Warren. 35 p. 1938.
321. To hold this soil. Russell Lord. 122 p. 1938.
322. Housing requirements of farm families in the United States. Maud Wilson. 40 p. 1939.
323. The farm-housing survey. Bureau of Home Economics, Bureau of Agricultural Engineering, Extension Service, and Office of the Secretary. 42 p. 1939.
324. Factors to be considered in preparing minimum-wage budgets for women. Gertrude Schmidt Weiss, Marie Waite, Louise Stitt, and Stella Stewart. 46 p. 1938.
325. Grain grading primer. William P. Carroll, Willis B. Combs, and Fred G. Smith. 44 p. 1938.
326. Forest resources of southeastern Texas. J. W. Cruikshank, I. F. Eldredge, and P. R. Wheeler. 37 p. 1939.
327. Motor fuels from farm products. P. Burke Jacobs and Harry P. Newton. 129 p. 1938.
328. The service of Federal grain standards. Bureau of Agricultural Economics. 18 p. 1938.
329. Officials and organizations concerned with wildfire protection, 1938. Frank G. Grimes. 15 p. 1938.
330. The Minnesota seed-grain treater. M. B. Moore. 6 p. 1938.
331. The land in flood control. 38 p. 1938.
332. Outlook for farm family living in 1939. Bureau of Home Economics and Bureau of Agricultural Economics. 6 p. 1938.
333. The farm outlook for 1939. Bureau of Agricultural Economics. 44 p. 1938.
334. Land facts on the southern Plains. Glenn K. Rule. 22 p. 1939.
335. Workers in subjects pertaining to agriculture in land-grant colleges and experiment stations, 1938–39. Mary A. Agnew. 184 p. 1939.
336. The mosquitoes of the Southeastern States. W. V. King, G. H. Bradley, and T. E. McNeel. 91 p. 1939.
337. Abbreviations used in the Department of Agriculture for titles of publications. Carolyn Whitlock. 278 p. 1939.
338. Soil defense of range and farm lands in the Southwest. E. M. Rowalt. 51 p. 1939.
339. Family income and expenditures: Pacific region. Part 1. Family income. Urban and village series. Day Monroe, Marjorie S. Weber, and Helen Hollingsworth. 380 p. 1939.
340. Market diseases of fruits and vegetables: Grapes and other small fruits. Dean H. Rose, C. O. Bratley, and W. T. Pentzer. 27 p. 1939.
341. The species of *Pantomorus* of America north of Mexico. L. L. Buchanan. 40 p. 1939.
342. Hosiery for women: A buying guide. Margaret Smith. 23 p. 1939.

343. Directory of field activities of the Bureau of Biological Survey, 1939. 117 p. 1939.
344. Taxonomy of some scale insects of the genus *Parlatoria* encountered in plant quarantine inspection work. Harold Morrison. 34 p. 1939.
345. Family income and expenditures: Plains and Mountain region. Part 1, Family income. Urban and village series. Gertrude Schmidt Weiss, Day Monroe, and Kathryn Cronister. 330 p. 1939.
346. Short-time camps. A manual for 4–H leaders. Ella Gardner. 90 p. 1939.
347. Lumber requirements for nonfarm residential construction. Frank J. Hallauer. 39 p. 1939.
348. Federal legislation, rulings, and regulations affecting the State agricultural experiment stations. 38 p. 1939.
349. Use of the rapid whole-blood test for pullorum disease. Hubert Bunyea. 18 p. 1939.
350. The wildlife restoration program under the Pittman-Robertson Act of 1937. Albert M. Day. 12 p. 1939.
351. Planning for a permanent agriculture, including a summary of the programs administered by the Department of Agriculture that influence the use of the land. 71 p. 1939.
352. Soil conservation survey handbook E. A. Norton. 40 p. 1939.
353. List of sires proved in dairy herd improvement associations, 1939. 105 p. 1939.
354. A review of the parasitic wasps of the Ichneumonid genus *Exenterus* Hartig in North America. R. A. Cushman. 16 p. 1940.
355. Hart Mountain Antelope Refuge. Stanley G. Jewett. 24 p. 1939.
356. Family income and expenditures: Pacific region and Plains and Mountain region. Part 1, Family income. Farm series. Day Monroe, Dorothy S. Martin, Margaret Perry, and Kathryn Cronister. 256 p. 1939.
357. Southern pines pay . . . A story in pictures. Wilbur R. Mattoon. [21 p.] 1939.
358. Use and abuse of wood in house construction. R. P. A. Johnson and E. M. Davis. 24 p. 1939.
359. The cow tester's manual. J. F. Kendrick. 36 p. 1940.
360. Plans of farm buildings for Southern States. Bureau of Agricultural Chemistry and Engineering and the Extension Service, in cooperation with the agricultural engineering departments and the cooperative extension services in agriculture and home economics at 12 colleges and universities. 123 p. 1940.
361. Descriptions of types of principal American varieties of orange-fleshed carrots. Roy Magruder and Victor R. Boswell. Department of Agriculture, S. L. Emsweller, California Agricultural Experiment Station; J. C. Miller, Louisiana Agricultural Experiment Station; A. E. Hutchins, University of Minnesota; J. F. Wood, Texas Agricultural Experiment Station; M. M. Parker, Virginia Truck Experiment Station, and H. H. Zimmerley, Virginia Truck Experiment Station. 48 p. 1940.
362. List of bulletins of the agricultural experiment stations for the calendar years 1937 and 1938. Catherine E. Pennington. 91 p. 1940.
363. Hay quality: Relation to production and feed value. E. O. Pollock and W. H. Hosterman. 34 p. 1939.
364. A selected bibliography of North American forestry. E. N. Munns. Vol. I, pp. 1–636; vol. II, pp. 637–1142. 1940.
365. Children's body measurements for sizing garments and patterns. Ruth O'Brien and Meyer A. Girshick. 25 p. 1939.
367. Rural population density in the Southern Appalachians. Francis J. Marschner. 18 p. 1940.
368. Federal poultry research at the Agricultural Research Center, Beltsville, Md. John R. Mohler. 32 p. 1939.
370. Family income and expenditures: Middle Atlantic and North Central region and New England region. Part 1, Family income. Urban and village series. Day Monroe, Elizabeth Phelps, and Idella G. Swisher. 447 p. 1940.
371. A revision of the North American aphids of the genus *Myzus*. Preston W. Mason. 31 p. 1940.
372. A survey and discussion of lysimeters and a bibliography on their construction and performance. Helmut Kohnke, F. R. Dreibilbis, and J. M. Davidson. 68 p. 1940.
373. State forests for public use. Forest Service. 36 p. 1940.
374. Description of types of principal American varieties of red garden beets. Roy Magruder and Victor R. Boswell. Department of Agriculture; H. A. Jones, California Agricultural Experiment Station; J. C. Miller, Louisiana Agricultural Experiment Station; J. F. Wood and L. R. Hawthorn, Texas Agricultural Experiment Station; M. M. Parker and H. H. Zimmerley, Virginia Truck Experiment Station. 60 p. 1940.
375. Family income and expenditures: Southeast region. Part 1, Family income. Urban and village series. Dorothy Brady, Day Monroe, Gertrude Schmidt Weiss, and Thelma Dreis. 389 p. 1940.
376. Directory of organization and field activities of the Department of Agriculture: 1939. Edmund Stephens. 204 p. 1940.
377. Outlook for farm family living in 1940. Bureau of Home Economics and Bureau of Agricultural Economics. 6 p. 1939.
378. Workers in subjects pertaining to agriculture in land-grant colleges and experiment stations, 1939-40. Mary A. Agnew. 170 p. 1940.
379. The farm outlook for 1940. Bureau of Agricultural Economics. 46 p. 1939.
380. Snow surveying. James C. Marr. 46 p. 1940.
381. Forestry on private timberlands. Forest Service. 25 p. 1940.
382. A revision of the genus *Lycopersicon*. Cornelius H. Muller. 29 p. 1940.
383. Family income and expenditures. Middle Atlantic, North Central, and New England regions. Part 1, Family income. Farm series. Dorothy S. Martin, Day Monroe, Dorothy S. Brady, and Elizabeth Phelps. 258 p. 1940.
384. Benefits of eradicating Bang's disease. John R. Mohler, A. E. Wight, and Elmer Lash. 18 p. 1940.
385. Sources of heat for cotton drying. Charles A. Bennett, Victor L. Stedronsky, and William J. Martin. 23 p. 1940.
386. Packaging sliced Cheddar and Swiss cheese in cans for sandwich dispensers. H. L. Wilson. 8 p. 1940.
387. Turpentine still buildings and equipment. 44 p. 1940.
388. Living and forest lands. 48 p. 1940.

389. Forest resources of the Douglas-fir region. H. J. Andrews and R. W. Cowlin. 169 p. 1940.
391. Federal beef grading. 15 p. 1940.
392. Buying beef by grade. 8 p. 1940.
393. List of sires proved in dairy herd improvement associations, 1940. 240 p. 1940.
394. Farms the rains can't take. Kenneth Davis. 14 p. 1940.
396. Family income and expenditures: Five regions. Part 2, Family expenditures. Urban and village series. Dorothy S. Brady, Day Monroe, Elizabeth Phelps, and Edith Dyer Rainboth. 410 p. 1940.
397. Influences of vegetation and watershed treatments on run-off, silting, and stream flow. A progress report of research. 80 p. 1940.
399. Family housing and facilities: Five regions. Urban, village, and farm series. Hazel Kyrk, Day Monroe, Maryland Y. Pennell, and Edith Dyer Rainboth. 223 p. 1940.
400. Sources and available supplies of commercial fertilizers. C. H. Kunsman. 20 p. 1940.
404. The slotted templet method for controlling maps made from aerial photographs. Harry T. Kelsh. 30 p. 1940.
407. The story of soil conservation in the South Carolina Piedmont, 1800–1860. Arthur R. Hall. 36 p. 1940.
408. School lunches using farm surpluses. Rowena Schmidt Carpenter and Fanny Walker Yeatman. 48 p. 1940.
410. Range conservation practices for the Great Plains. B. W. Allred. 21 p. 1940.
411. Working plans for permanent farms. Glenn K. Rule. 41 p. 1940.
419. Adjusting farm family living to the impact of war abroad and home defense. 7 p. 1940.

Note.—Numbers omitted have not been issued. (December 31, 1940.)

STATISTICAL BULLETINS

50. Carlot shipments of fruits and vegetables from stations in the United States for the calendar years 1932 and 1933. Bureau of Agricultural Economics. 150 p. 1936.
51. Issued in 1935.
52. Grade, staple length, and tenderability of cotton in the United States, 1928–29 to 1933–34. Bureau of Agricultural Economics. 122 p. 1936.
53. Carlot shipments and unloads of nineteen important fruits and vegetables for the calendar years 1933 and 1934. Bureau of Agricultural Economics. 206 p. 1936.
54. Wheat futures: Volume of trading, open commitments, and prices from January 3, 1933, to December 31, 1935. Commodity Exchange Administration. 108 p. 1937.
55. Corn futures: Volume of trading, open commitments, and prices from January 3, 1933, to December 31, 1935. Commodity Exchange Administration. 101 p. 1937.
56. Grade, staple length, and tenderability of cotton in the United States, 1928–29 to 1934–35. Bureau of Agricultural Economics. 63 p. 1937.
57. Stumpage and log prices for the calendar year 1935. Henry B. Steer. 56 p. 1937.
58. First annual report on tobacco statistics (with basic date). Bureau of Agricultural Economics. 148 p. 1937.
59. Fats, oils, and oleaginous raw materials—production, prices, trade, disappearance in the United States, 1912–35, and available data for earlier years. Anne Dewees. 123 p. 1937.
60. Grade, staple length, and tenderability of cotton in the United States, 1928–29 to 1935–36. Bureau of Agricultural Economics in cooperation with State agricultural experiment stations and the California State Department of Agriculture. 60 p. 1937.
61. Carlot shipments of fruits and vegetables from stations in the United States for the calendar years 1934 and 1935. Bureau of Agricultural Economics. 141 p. 1937.
62. Stumpage and log prices for the calendar year 1936. Henry B. Steer. 59 p. 1937.
63. Annual report on tobacco statistics, 1937. Bureau of Agricultural Economics. 110 p. 1938.
64. Statistics of forest products in the Rocky Mountain States. R. V. Reynolds and A. H. Pierson. 29 p. 1938.
65. Forest products statistics of the Pacific Coast States. R. V. Reynolds and A. H. Pierson. 30 p. 1938.
66. Stumpage and log prices for the calendar year 1937. Henry B. Steer. 61 p. 1939.
67. Annual report on tobacco statistics, 1938. Bureau of Agricultural Economics. 108 p. 1938.
68. Forest products statistics of the Lakes States. R. V. Reynolds and A. H. Pierson. 40 p. 1939.
69. Forest products statistics of the Southern States. R. V. Reynolds and A. H. Pierson. 106 p. 1939.
70. Forest products statistics of the Northeastern States. R. V. Reynolds and A. H. Pierson. 109 p. 1940.
71. Stumpage and log prices for the calendar year 1938. Henry B. Steer. 63 p. 1940.
72. Wheat futures: Volume of trading, open contracts, and prices from January 2, 1936, to December 31, 1938. Commodity Exchange Administration. 131 p. 1940.

TECHNICAL BULLETINS

493. Farm prices of cotton as related to its grade and staple length in the United States, seasons 1928–29 to 1932–33. L. D. Howell and John S. Burgess, Jr. 63 p. 1936.
494–495. Issued in 1935.
496. Growth and survival of deciduous trees in shelter-belt experiments at Mandan, N. Dak., 1915–34. Ernest J. George. 48 p. 1936.
497. Issued in 1935.
498. The flour beetles of the genus *Tribolium*. Newell E. Good. 58 p. 1936.
499. The cannibalistic habits of the corn ear worm. George W. Barber. 19 p. 1936.
500. Biology of the primary screw worm fly, *Cochliomyia americana*, and a comparison of its stages with those of *C. macellaria*. E. W. Laake, Emory C. Cushing, and H. E. Parish. 24 p. 1936.
501–502. Issued in 1935.

503. Effects of gin-saw speed and seed-roll density on quality of cotton lint and operation of gin stands. Charles A. Bennett and Francis L. Gerdes. 40 p. 1936.
504. *Orius insidiosus* (Say), an important natural enemy of the corn ear worm. G. W. Barber. 24 p. 1936.
505. Refrigeration of oranges in transit from California. C. W. Mann and William C. Cooper. 88 p. 1936.
506. Identification, history, and distribution of common sorghum varieties. H. N. Vinall, J. C. Stephens, and J. H. Martin. 102 p. 1936.
507. The cooking quality, palatability, and carbohydrate composition of potatoes as influenced by storage temperature. R. C. Wright, Walter M. Peacock, T. M. Whiteman, and Elizabeth Fuller Whiteman. 20 p. 1936.
508. Effect of artificially drying seed cotton before ginning on certain quality elements of the lint and seed and on the operation of the gin stand. Francis L. Gerdes and Charles A. Bennett. 62 p. 1936.
509. Positions of seeds and motes in locks and lengths of cotton fibers from bolls borne at different positions on plants at Greenville, Tex. Dow D. Porter. 14 p. 1936.
510. Variations in naval-stores yields associated with weather and specific days between chippings. V. L. Harper and Lenthall Wyman. 35 p. 1936.
511. Timber growing and logging practice in ponderosa pine in the Northwest. R. H. Weidman. Introduction by Ferdinand A. Silcox. 92 p. 1936.
512. Irrigated crop rotations in western Nebraska, 1912–34. Stephen H. Hastings. 36 p. 1936.
513. Further experiments on the control of barley smuts. R. W. Leukel. 12 p. 1936.
514. Studies of the culture and certain varieties of the Jerusalem artichoke. Victor R. Boswell, C. E. Steinbauer, M. F. Babb, W. L. Burlison, W. H. Alderman, and H. A. Schoth. 70 p. 1936.
515. The effect of crazy top disorder on cotton plants and its control by irrigation management. Claude Hope, C. J. King, and Orlan Parker. 44 p. 1936.
516. Species of *Capillaria* parasitic in the upper digestive tract of birds. Eloise B. Cram. 28 p. 1936.
517. Cotton fabrics as affected by variations in pressure and in length of exposure during ironing. K. Melvina Downey and Ruth E. Elmquist. 32 p. 1936.
518. A second revision of the chalcid flies of the genus *Harmolita* (*Isosoma*) of America north of Mexico, with descriptions of 20 new species. W. J. Phillips. 26 p. 1936.
519. Transit and storage diseases of fruits and vegetables as affected by initial carbon dioxide treatments. Charles Brooks, C. O. Bratley, and L. P. McColloch. 24 p. 1936.
520. Temperature studies of some tomato pathogens. Alice Allen Nightingale and G. B. Ramsey. 36 p. 1936.
521. Agricultural loans of commercial banks. Norman J. Wall. 56 p. 1936.
522. Incomplete milking in relation to milk production and udder troubles in dairy cows. T. E. Woodward, R. P. Hotis, and R. R. Graves. 27 p. 1936.
523. Transportation of apples from the Shenandoah-Cumberland section to overseas markets. Paul L. Harding and Charles L. Powell. 27 p. 1936.
524. Silting of reservoirs. Henry M. Eakin. 142 p. 1936.
525. Handling, precooling, and transportation of Florida strawberries. Dean H. Rose and E. A. Gorman, Jr. 58 p. 1936.
526. Flow of water around 180-degree bends. David L. Yarnell and Sherman M. Woodward. 64 p. 1936.
527. Progressive effects of *Poluporus versicolor* on the physical and chemical properties of red gum sapwood. Theodore C. Scheffer. 46 p. 1936.
528. Conditions influencing erosion on the Boise River watershed. F. G. Renner. 32 p. 1936.
529. Effect of different methods of wintering beef calves, in the northern Great Plains, on winter gains and feed costs and on subsequent summer gains. W. H. Black, J. R. Quesenberry, and A. L. Baker. 11 p. 1936.
530. Selenium occurrence in certain soils in the United States with a discussion of related topics. Second report. Horace G. Byers. 79 p. 1936.
531. Bud selection in Eureka and Lisbon lemons and progeny tests of bud variations. A. D. Shamel, C. S. Pomeroy, and R. E. Caryl. 44 p. 1936.
532. The comparative moisture-absorbing and moisture-retaining capacities of peat and soil mixtures. I. C. Feustel and H. G. Byers. 26 p. 1936.
533. Subsoil waters of Newlands (Nev.) Field Station. Carl S. Scofield, C. Lloyd Moon, and Elmer W. Knight. 31 p. 1936.
534. Toxicity of food containing selenium as shown by its effect on the rat. Hazel E. Munsell, Grace M. De Vaney, and Mary H. Kennedy. 26 p. 1936.
535. Wheat requirements in Europe. (Especially pertaining to quality and type, and to milling and baking practices.) J. H. Shollenberger. 191 p. 1936.
536. Crop rotation and tillage experiments at the Northern Great Plains Field Station, Mandan, N. Dak. J. T. Sarvis and J. C. Thysell. 76 p. 1936.
537. Growth of Douglas fir trees of known seed source. Thornton T. Munger and William G. Morris. 40 p. 1936.
538. Effect of method and rate of grazing on beef production and plant population of pastures at Beltsville, Md. M. A. Hein and A. C. Cook. 35 p. 1937.
539. Federal seed-loan financing and its relation to agricultural rehabilitation and land use. Norman J. Wall. 60 p. 1936.
540. Fungi isolated from discolored rice kernels. E. C. Tullis. 12 p. 1936.
541. Deterioriation of book and record papers. T. D. Jarrell, J. M. Hankins, and F. P. Veitch. 20 p. 1936.
542. Neutralization curves of the colloids of soils representative of the great soil groups. M. S. Anderson and Horace G. Byers. 39 p. 1936.
543. Blast-furnace processes for the production of phosphatic and potassic fertilizer materials. P. H. Royster, K. G. Clark, T. P. Hignett, L. E. Bowe, H. I. Lansdon, J. C. Southard, and J. W. Turrentine. 75 p. 1937.
544. Yield of even-aged stands of Sitka spruce and western hemlock. Walter H. Meyer. 86 p. 1937.
545. Methods for the measurement of certain character properties of raw cotton. Howard B. Richardson, T. L. W. Bailey, Jr., and Carl M. Conrad. 77 p. 1937.
546. Structure, occurrence, and properties of compression wood. M. Y. Pillow and R. F. Luxford. 32 p. 1937.

547. Effect of different methods of grazing on native vegetation and gains of steers in northern Great Plains. W. H. Black, A. L. Baker, V. I. Clark, and O. R. Mathews. 19 p. 1937.
548. Control of southern celery mosaic in Florida by removing weeds that serve as sources of mosaic infection. F. L. Wellman. 16 p. 1937.
549. Drought survival of native grass species in the central and southern Great Plains, 1935. D. A. Savage. 55 p. 1937.
550. Protection of apples and pears in transit from the Pacific Northwest during the winter months. E. D. Mallison, E. A. Gorman, Jr., and W. V. Hukill. 55 p. 1937.
551. Forest fire insurance in the Pacific Coast States. H. B. Shepard. 168 p. 1937.
552. The elements in the soils from the erosion experiment stations, with supplementary data on other soils. C. S. Slater, R. S. Holmes, and H. G. Byers. 24 p. 1937.
553. Effect of temperature, humidity, and other factors on hatch of hens' eggs and on energy metabolism of chick embryos. H. G. Barott. 46 p. 1937.
554. Rapid determination of oil content and oil quality in flaxseed. Lawrence Zeleny and D. A. Coleman. 40 p. 1937.
555. Marketing onions. J. W. Park. 88 p. 1937.
556. Soil conservation reconnaissance survey of the southern Great Plains wind erosion area. Arthur H. Joel. 68 p. 1937.
557. Types of vegetation in the San Joaquin Valley of California and their relation to the beet leafhopper. R. L. Piemeisel and F. R. Lawson. 28 p. 1937.
558. Soil and water conservation investigations at the Soil Conservation Experiment Station, Missouri Valley loess region, Clarinda, Iowa. G. W. Musgrave and R. A. Norton. 182 p. 1937.
559. Influence of packing and handling methods on condition of apples barreled for export. Paul L. Harding, J. M. Lutz, and Dean H. Rose. 26 p. 1937.
560. Yield, stand, and volume tables for even-aged upland oak forests. G. Luther Schnur. 88 p. 1937.
561. The effectiveness of cultivation as a control for the corn earworm. G. W. Barber and F. F. Dicke. 16 p. 1937.
562. Some moisture relations of the soils from the erosion experiment stations. L. B. Olmstead. 45 p. 1937.
563. Incidence and development of apple scab on fruit during the late summer and while in storage. Cyril O. Bratley. 46 p. 1937.
564. Comparison of feeds for fattening beef calves before and after weaning. W. H. Black and E. A. Trowbridge. 12 p. 1937.
565. Comparison of feeds for wintering steers in the northern Great Plains. W. H. Black and O. R. Mathews. 10 p. 1937.
566. Western hemlock bark an important potential tanning material. Charles C. Smoot and Ralph W. Frey. 48 p. 1937.
567. Soil erosion and stream flow on range and forest lands of the upper Rio Grande watershed in relation to land resources and human welfare. Charles K. Cooperrider and Barnard A. Hendricks. 88 p. 1937.
568. Seed treatment experiments with oats naturally and artificially inoculated with smuts. R. W. Leukel. 16 p. 1937.
569. The nematode, *Ornithostrongylus quadriradiatus*, a parasite of the domesticated pigeon. Eugenia Cuvillier. 36 p. 1937.
570. Decay in merchantable oak, yellow poplar, and basswood in the Appalachian region. George H. Hepting and George G. Hedgcock. 30 p. 1937.
571. Irrigated crop rotations at the Huntley (Mont.) Field Station, 1912–35. Stephen H. Hastings and Dan Hansen. 38 p. 1937.
572. A serviceability test on blankets made from four blends of wool. Margaret B. Hays, Ruth E. Elmquist, and J. I. Hardy. 24 p. 1937.
573. Investigations of the market diseases of cantaloups and Honey Dew and Honey Ball melons. James S. Wiant. 48 p. 1937.
574. Principles of forest-fire detection on the national forests of northern California. S. B. Show and E. I. Kotok. 32 p. 1937.
575. Demand deposits of country banks. Norman J. Wall. 27 p. 1937.
576. Family living in Knott County, Ky. Faith M. Williams, Hazel K. Stiebeling, Idella G. Swisher, and Gertrude Schmidt Weiss. 69 p. 1937.
577. Flow of water through 6-inch pipe bends. David L. Yarnell. 118 p. 1937.
578. Spreading water for storage underground. A. T. Mitchelson and Dean C. Muckel. 80 p. 1937.
579. Rate of flow of capillary moisture. M. R. Lewis. 30 p. 1937.
580. Toxicity of arrowgrass for sheep and remedial treatment. A. B. Clawson and E. A. Moran. 16 p. 1937.
581. Comparison of various forms of milo grain for fattening steers in the southern Great Plains. W. H. Black, J. M. Jones, and F. E. Keating. 16 p. 1937.
582. Studies on bunt, or stinking smut, of wheat and its control. R. W. Leukel. 48 p. 1937.
583. Experiments on breeding corn resistant to the European corn borer. Marion T. Meyers, L. L. Huber, C. R. Neiswander, F. D. Richey, and G. H. Stringfield. 30 p. 1937.
584. Chemical and physical studies of certain Hawaiian soil profiles. George J. Hough and Horace G. Byers. 27 p. 1937.
585. Resistance of sorghums to the chinch bug. Ralph O. Snelling, Reginald H. Painter, John H. Parker, and W. M. Osborn. 56 p. 1937.
586. Effect of fertilizers on composition of soybean hay and seed and of crop management on carbon, nitrogen, and reaction of Norfolk sand. J. E. Adams, H. M. Boggs, and E. M. Roller. 35 p. 1937.
587. Consumption and production of tobacco in Europe. J. B. Hutson. 115 p. 1937.
588. The sterilization of wool and its effect on physical and chemical properties of a wool fabric. Harry Humfeld, Ruth E. Elmquist, and James H. Kettering. 27 p. 1937.
589. Sources of moisture for precipitation in the United States. Benjamin Holzman. 42 p. 1937.
590. Certain chemical and physical changes produced in Kieffer pears during ripening and storage. J. M. Lutz and C. W. Culpepper. 38 p. 1937.

318215—41——5

591. Relation of staple environment to milk production. M. A. R. Kelley and I. W. Rupel. 60 p. 1937.
592. Factors affecting the rate of drying of Kieffer pears. C. W. Culpepper and H. H. Moon. 31 p. 1937.
593. The bean weevil and the southern cowpea weevil in California. A. O. Larson and C. K. Fisher. 71 p. 1938.
594. The chemical composition of soils and colloids of the Norfolk and related soil series. R. S. Holmes, W. E. Hearn, and H. G. Byers. 34 p. 1938.
595. Studies on the possibilities of devil's shoestring (*Tephrosia virginiana*) and other native species of *Tephrosia* as commercial sources of insecticides. A. F. Sievers, G. A. Russell, M. S. Lowman, E. D. Fowler, C. O. Erlanson, and V. A. Little. 40 p. 1938.
596. Composition and fractionation of American steam-distilled wood turpentine. S. Palkin, T. C. Chadwick, and M. B. Matlack. 30 p. 1937.
597. Lag-screw joints: Their behavior and design. J. A. Newlin and J. M. Gahagan. 27 p. 1938.
598. The relation of growth to the varying carbohydrate content in mountain brome. Edward J. McCarty. 24 p. 1938.
599. Biology of the pea weevil in the Pacific Northwest with suggestions for its control on seed peas. A. O. Larson, T. A. Brindley, and F. G. Hinman. 48 p. 1938.
600. The influence of climate and grazing on spring-fall sheep range in southern Idaho. G. W. Craddock and C. L. Forsling. 43 p. 1938.
601. Selenium occurrence in certain soils in the United States with a discussion of related topics: Third report. Horace G. Byers, John T. Miller, K. T. Williams, and H. W. Lakin. 75 p. 1938.
602. Relation of spot cotton prices to prices of futures contracts and protection afforded by trading in futures. L. D. Howell and Leonard J. Watson. 100 p. 1938.
603. Wintering beef cows on the range with and without a supplement of cottonseed cake. W. H. Black, J. R. Quesenberry, and A. L. Baker. 22 p. 1938.
604. Rubber content and habits of a second desert milkweed (*Asclepias erosa*) of southern California and Arizona. R. E. Beckett, R. S. Stitt, and E. N. Duncan. 12 p. 1938.
605. Deterioration of paper as indicated by gas chamber tests. T. D. Jarrell, J. M. Hankins, and F. P. Veitch. 22 p. 1938.
606. Factors influencing the quality of American grapes in storage. J. M. Lutz. 27 p. 1938.
607. Occurrence of the beet leafhopper and associated insects on secondary plant successions in southern Idaho. D. E. Fox. 44 p. 1938.
608. Pocket mice of Washington and Oregon in relation to agriculture. Theo. H. Scheffer. 16 p. 1938.
609. Chemical and physical properties of certain soils developed from granitic materials in New England and the Piedmont, and of their colloids. Irvin C. Brown and Horace G. Byers. 56 p. 1938.
610. Feeding dairy cows on alfalfa hay alone. R. R. Graves, J. R. Dawson, D. V. Kopland, A. L. Watt, and A. G. Van Horn. 47 p. 1938.
611. Methods of making silage from grasses and legumes. T. E. Woodward and J. B. Shepherd. 34 p. 1938.
612. Symptoms on field-grown tobacco characteristic of the deficient supply of each of several essential chemical elements. J. E. McMurtrey, Jr. 31 p. 1938.
613. Market-storage studies of Honey Dew melons and cantaloups. James S. Wiant. 19 p. 1938.
614. Influence of farm manure on yields and sucrose of sugar beets. Stephen H. Hastings, S. B. Nuckols, and Lionel Harris. 12 p. 1938.
615. Studies of potato storage houses in Maine. A. D. Edgar. 47 p. 1938.
616. The reproductive cycle of the coyote. G. W. D. Hamlett. 12 p. 1938.
617. Conservation and use of soil moisture at Mandan, N. Dak. J. C. Thysell. 40 p. 1938.
618. Biological studies on the leafhopper *Empoasca fabae* as a bean pest. Dwight M. DeLong. 60 p. 1938.
619. Soybeans in the United States; recent trends and present economic status. Ernest W. Grove. 31 p. 1938.
620. Genetic relations of some color factors in lettuce. Ross C. Thompson. 38 p. 1938.
621. Shrinkage and dressing yields of hogs. Knute Bjorka. 22 p. 1938.
622. Removal of lead spray residues from apples grown in the Shenadoah-Cumberland Valley. M. H. Haller, C. C. Cassil, C. W. Murray, J. H. Beaumont, and Edwin Gould. 32 p. 1938.
623. Fumigation of baled cotton with hydrocyanic acid for the pink bollworm. A. C. Johnson, George G. Becker, and Lon A. Hawkins. 46 p. 1938.
624. Studies on epidemiology of curly top in southern Idaho, with special reference to sugar beets and weed hosts of the vector *Eutettix tenellus*. James M. Wallace and Albert M. Murphy. 47 p. 1938.
625. Stickiness and spotting of shelled green lima beans. Charles Brooks and L. McColloch. 24 p. 1938.
626. Stumpage prices of privately owned timber in the United States. Henry B. Steer. 163 p. 1938.
627. Body icing in transit refrigeration of vegetables. E. D. Mallison and W. T. Pentzer. 42 p. 1938.
628. Effect of supplementing winter and summer range on gains of steers in the northern Great Plains. W. H. Black and V. I. Clark. 16 p. 1938.
629. Communicability of infectious abortion between swine and cattle. W. E. Cotton, J. M. Buck, and H. E. Smith. 8 p. 1938.
630. Yield of even-aged stands of ponderosa pine. Walter H. Meyer. 60 p. 1938.
631. The storage, of sweet cherries as influenced by carbon dioxide and volatile fungicides. Fisk Gerhardt and A. Lloyd Ryall. 20 p. 1939.
632. Loss, during storage, of vitamin A from alfalfa leaf meals fed to chickens. Burt W. Heywang and Rudolph B. Morgan. 8 p. 1939.
633. Principles of gully erosion in the Piedmont of South Carolina. H. A. Ireland, C. F. S. Sharpe, and D. H. Eargle. 143 p. 1939.
634. Food of game ducks in the United States and Canada. A. C. Martin and F. M. Uhler. 157 p. 1939.

635. Comparison of alfalfa and western wheatgrass hays for wintering yearling heifers in the northern Great Plains and their influence on summer gains. A. L. Baker. 8 p. 1938.
636. Correlations between annual precipitation and the yield of spring wheat in the Great Plains. John S. Cole. 40 p. 1938.
637. Subsoil moisture under semiarid conditions. John S. Cole and O. R. Mathews. 71 p. 1939.
638. Temperature and other factors affecting the germination of fescue seed. Vivian Kearns and E. H. Toole. 36 p. 1939.
639. Effect of accelerated erosion on silting in Morena Reservoir, San Diego County, Calif. F. F. Barnes, C. J. Kraebel, and R. S. LaMotte. 22 p. 1939.
640. Growth of lemon fruits in relation to moisture content of the soil. J. R. Furr and C. A. Taylor. 72 p. 1939.
641. Red rot of sugarcane. E. V. Abbott. 96 p. 1938.
642. The field cricket in relation to the cotton plant in Louisiana. J. W. Folsom and P. A. Woke. 28 p. 1939.
643. Food habits of North American diving ducks. Clarence Cottam. 140 p. 1939.
644. The chemical determination of soundness in corn. Lawrence Zeleny and D. A. Coleman. 24 p. 1939.
645. Manufacturing and serviceability tests on sheetings made from two selected mill types of cotton. Ruth Elmquist Rogers, Margaret B. Hays, and John T. Wigington. 32 p. 1939.
646. Marketing commercial cabbage. Raymond L. Spangler. 126 p. 1938.
647. Field studies of certain diseases of snap beans in the Southeast. W. D. Moore. 28 p. 1938.
648. Comparative susceptibility of crop plants to sodium chlorate injury. Annie M. Hurd-Karrer. 15 p. 1940.
649. Relative values for milk production of hay and silage made from immature pasture herbage. R. R. Graves, J. R. Dawson, and D. V. Kopland. 32 p. 1938.
650. Control of the blue mold (downy mildew) disease of tobacco by spraying. Edward E. Clayton, John G. Gaines, T. E. Smith, W. M. Lunn, and K. J. Shaw. 23 p. 1938.
651. Forest fire insurance in the Northeastern States. H. B. Shepard. 46 p. 1939.
652. Flow of water in irrigation and similar canals. Fred C. Scobey. 79 p. 1939.
653. A revision of the mites of the subfamily Tarsonemmae of North America, the West Indies, and the Hawaiian Islands. H. E. Ewing. 64 p. 1939.
654. Changes in weedy plant cover on cleared sagebrush land and their probable causes. R. L. Piemeisel. 44 p. 1938.
655. Dormancy in lettuce seed and some factors influencing its germination. Ross C. Thompson. 20 p. 1938.
656. Cost of producing extracted honey in California. R. L. Adams and Frank E. Todd. 35 p. 1939.
657. Physiological studies of Jerusalem-artichoke tubers with special reference to the rest period. Clarence E. Steinbauer. 52 p. 1939.
658. Vaccination of calves and yearlings against Bang's disease. J. M. Buck, W. E. Cotton, and H. E. Smith. 7 p. 1938.
659. The sand wireworm and its control in the South Carolina Coastal Plain. J. N. Tenhet and E. W. Howe. 39 p. 1939.
660. The Hohenheim system in the management of permanent pastures for dairy cattle. T. E. Woodward, J. B. Shepherd, and M. A. Hein. 34 p. 1938.
661. Rearing foals and lambs by the use of colostrum, blood serum, and substitute milks. J. A. Gamble, I. P. Earle, and Paul E. Howe. 35 p. 1938.
662. Cotton sold in the seed in the United States. L. D. Howell. 24 p. 1938.
663. Effect of cleaning seed cotton on lint quality and ginning efficiency. Francis L. Gerdes, Arvid J. Johnson, and Charles A. Bennett. 64 p. 1939.
664. Relative merits of producing creep fed, feeder, and lot-fattened calves in the Appalachian region. E. W. McComas and C. V. Wilson. 11 p. 1938.
665. Relationship among production and grade factors of beef. O. G. Hankins and L. B. Burk. 40 p. 1938.
666. Pythium root rot of sugarcane. R. D. Rands and Ernest Dopp. 96 p. 1938.
667. Wintering steers on different planes of nutrition from weaning to 2½ years of age. W. H. Black, J. R. Quesenberry, and A. L. Baker. 20 p. 1939.
668. Bruising, freezing, and chemical injury of potatoes in transit. R. C. Wright. 23 p. 1939.
669. Fertilizer placement for potatoes. G. A. Cumings and G. V. C. Houghland. 48 p. 1939.
670. Relation of temperature and moisture content to longevity of Chewings fescue seed. Vivian Kearns and E. H. Toole. 27 p. 1939.
671. Composition and properties of goat's milk as compared with cow's milk. J. A. Gamble, N. R. Ellis, and A. K. Besley. 72 p. 1939.
672. Vapor-heat treatment for the control of narcissus bulb pests in the Pacific Northwest. Randall Latta. 54 p. 1939.
673. The distribution of insects, spiders, and mites in the air. P. A. Glick. 151 p. 1939.
674. Breaking strength, elongation and folding endurance of films of starches and gelatin used in textile sizing. Margaret S. Furry. 36 p. 1939.
675. Sewage irrigation as practiced in the Western States. Wells A. Hutchins. 60 p. 1939.
676. Shrinkage and cooking time of rib roasts of beef of different grades as influenced by style of cutting and method of roasting. Lucy M. Alexander and Nancy Griswold Clark. 36 p. 1939.
677. Experiments in breeding Holstein-Friesian cattle for milk- and butterfat-producing ability, and an analysis of the foundation cows and of the first out-bred generation. M. H. Fohrman and R. R. Graves. 82 p. 1939.
678. A chemical study of some soils derived from limestone. Lyle T. Alexander, Horace G. Byers, and Glen Edgington. 27 p. 1939.
679. Studies on the development of the pigeon capillarid, *Capillaria columbae*. Everett E. Wehr. 20 p. 1939.
680. Effect of storage temperatures on peaches. M. H. Haller and P. L. Harding. 32 p. 1939.

681. The effect of intensity and frequency of clipping on density and yield of black grama and tobosa grass. R. H. Canfield. 32 p. 1939.
682. Plantation organization and operation in the Yazoo-Mississippi Delta area. E. L. Langsford and B. H. Thibodeaux. 92 p. 1939.
683. Effects of fire and cattle grazing on longleaf pine lands as studied at McNeill, Miss. W. G. Wahlenberg, S. W. Greene, and H. R. Reed. 52 p. 1939.
684. Butt rot in unburned sprout oak stands. Elmer R. Roth and Bailey Sleeth. 43 p. 1939.
685. Cotton prices in spot and futures markets. L. D. Howell. 72 p. 1939.
686. Weather and plant-development data as determinants of grazing periods on mountain range. David F. Costello and Raymond Price. 31 p. 1939.
687. A land program for Forest County, Wisconsin, based on an analysis of land use problems. V. Webster Johnson, Sidney Henderson, and James H. Marshall. 112 p. 1939.
688. Comparative chemical composition of juices of different varieties of Louisiana sugarcane. C. A. Fort and Nelson McKaig, Jr. 68 p. 1939.
689. Status and relative importance of the parasites of the hessian fly in the Atlantic States. C. C. Hill, J. S. Pinckney, and E. J. Udine. 15 p. 1939.
690. The acidic properties of peat and muck. Irvin C. Feustel. 42 p. 1939.
691. The glued laminated wooden arch. T. R. C. Wilson. 123 p. 1939.
692. Chemical and mechanical methods of ribes eradication in the white pine areas of the western States. H. R. Offord, G. R. Van Atta, and H. E. Swanson. 50 p. 1940.
693. The external anatomy of the larva of the Pacific Coast wireworm. H. P. Lanchester. 40 p. 1939.
694. Differentiation of eggs of various genera of nematodes parasitic in domestic ruminants in the United States. D. A. Shorb. 11 p. 1939.
695. Some principles of accelerated stream and valley sedimentation. Stafford C. Happ, Gordon Rittenhouse, and G. C. Dobson. 134 p. 1940.
696. The behavior of boron in soils. Frank M. Eaton and L. V. Wilcox. 58 p. 1939.
697. Testing vinifera grape varieties grafted on phylloxera-resistant rootstocks in California. George C. Husmann, Elmer Snyder, and Frederick L. Husmann. 64 p. 1939.
698. Rainfall characteristics as related to soil erosion. David I. Blumenstock. 44 p. 1939.
699. Cotton prices in relation to cotton classification service and to quality improvement. L. D. Howell and Leonard J. Watson. 55 p. 1939.
700. Costs of tractor logging in southern pine. Robert E. Worthington. 64 p. 1939.
701. Alfalfa experiments at Stoneville, Miss., 1935–37. Paul R. Henson and H. L. Westover. 24 p. 1939.
702. Selenium occurrence in certain soils in the United States with a discussion of related topics. Fourth report. K. T. Williams, H. W. Lakin, and Horace G. Byers. 60 p. 1940.
703. Gross farm income, indexes of farm production and indexes of farm prices in the United States, 1869–1935. Frederick Strauss and Louis H. Bean. 154 p. 1940.
704. Bacterial wilt of lespedeza. T. T. Ayers, C. L. Lefebvre, and H. W. Johnson. 23 p. 1939.
705. Differences in growth characters and pathogenicity of fusarium wilt isolations tested on three tomato varieties. Frederick L. Wellman and Dorothy J. Blaisdell. 29 p. 1940.
706. Wild-animal damage to seed and seedlings on cut-over Douglas fir lands in Oregon and Washington. A. W. Moore. 1940.
707. The vitamin B_1 content of foods in terms of crystalline thiamin. Lela E. Booher and Eva R. Hartzler. 20 p. 1939.
708. A study of rapid deterioration of vegetable seeds and methods for its prevention. Victor R. Boswell, E. H. Toole, Vivian K. Toole, and D. F. Fisher. 48 p. 1940.
709. Supply responses in milk production in the Cabot-Marshfield area, Vermont. R. H. Allen, Erling Hole, and R. L. Mighell. 60 p. 1940.
710. Differential growth rates in cotton varieties and their response to seasonal conditions at Greenville, Texas. Homer C. McNamara, Dalton R. Hooton, and Dow D. Porter. 44 p. 1940.
711. Economic status of the English sparrow in the United States. E. R. Kalmbach. 66 p. 1940.
712. Marketing commercial lettuce. Raymond L. Spangler. 82 p. 1940.
713. Types of vegetation in Escalante Valley, Utah, as indicators of soil conditions. H. L. Shantz and R. L. Piemeisel. 46 p. 1940.
714. Stains of sapwood and sapwood products and their control. Theodore C. Scheffer and Ralph M. Lindgren. 124 p. 1940.
715. Keys to the parasites of the hessian fly based on remains left in the host puparium. C. C. Hill and J. S. Pinckney. 24 p. 1940.
716. Investigations on the physical and chemical properties of beeswax. Charles S. Bisson, George H. Vansell, and Walter B. Dye. 24 p. 1940.
717. Beef production and quality as affected by method of feeding supplements to steers on grass in the Appalachian region. W. H. Black, R. L. Hiner, L. B. Burk, Lucy M. Alexander, and C. V. Wilson. 32 p. 1940.
718. Fertilizer experiments with rice in California. Loren L. Davis and Jenkin W. Jones. 22 p. 1940.
719. Prevention of damage by the seed-corn maggot to potato seed pieces. W. J. Reid, Jr., R. C. Wright, and W. M. Peacock. 38 p. 1940.
720. A study of methods in barley breeding. H. V. Harlan, M. L. Martini, and Harland Stevens. 26 p. 1940.
721. *Paradexodes epilachnæ*, a tachinid parasite of the Mexican bean beetle. B. J. Landis and N. F. Howard. 32 p. 1940.
722. Production and consumption of manufactured dairy products. Edmund E. Vial. 77 p. 1940.
723. Biology of the seed-corn maggot in the Coastal Plain of the South Atlantic States. W. J. Reid, Jr. 44 p. 1940.
724. Milk and butterfat production by dairy cows on four different planes of feeding. R. R. Graves, George Q. Bateman, J. B. Shepherd, and George B. Caine. 36 p. 1940.

725. Nutritive properties of certain animal and vegetable fats. Ralph Hoagland and George G. Snider. 12 p. 1940.
726. Physical and chemical changes produced in bleached cotton duck by *Chaetomium globosum* and *Spirochaeta cytophaga*. Ruth Elmquist Rogers, Helen G. Wheeler, and Harry Humfeld. 35 p. 1940.
727. Further observations on the response of various species of plants to length of day. H. A. Allard and W. W. Garner. 64 p. 1940.
728. Parasites of the oriental fruit moth in Japan and Chosen and their introduction into the United States. G. J. Haeussler. 62 p. 1940.
729. Relative infiltration and related physical characteristics of certain soils. G. R. Free, G. M. Browning, and G. W. Musgrave. 52 p. 1940.
730. Market quality and condition of California cantaloups as influenced by maturity, handling, and precooling. W. T. Pentzer, James S. Wiant, and John H. MacGillivray. 74 p. 1940.
731. Comparative studies of varietal suitability for freezing preservation of peas, green, or snap beans, lima beans, and sweet corn grown under eastern conditions. Joseph S. Caldwell, J. M. Lutz, H. H. Moon, and C. W. Culpepper. 72 p. 1940.
732. Arsenic distribution in soils and its presence in certain plants. Kenneth T. Williams and Richard R. Whetstone. 20 p. 1940.
733. Decay and other volume losses in wind-thrown timber on the Olympic Peninsula, Wash. T. S. Buchanan and G. H. Englerth. 30 p. 1940.
734. Anatomical structure of the cottonseed coat as related to problems of germination. D. M. Simpson, Caroline L. Adams, and G. M. Stone. 24 p. 1940.
735. Yields of barley varieties in the United States and Canada, 1932–36. G. A. Wiebe, P. R. Cowan, and Lucille Reinbach-Welch. 78 p. 1940.
736. Windrowing and storing of sugarcane in Louisiana following injury by freezing temperatures. J. I. Lauritzen, Charles A. Fort, and R. T. Balch. 44 p. 1940.
737. Wholesale prices of fats and oils in the United States: Index numbers, 1910–39. Robert M. Walsh. 28 p. 1940.
738. Investigations of the parasites of *Popillia japonica* and related Scarabaeidae in the Far East from 1929 to 1933, inclusive. T. R. Gardner and L. B. Parker. 36 p. 1940.
739. Yield, chemical composition, and feeding value for milk production of alfalfa hay cut at three stages of maturity. J. R. Dawson, D. V. Kopland, and R. R. Graves. 52 p. 1940.
740. Studies of methods and materials for the control of the leafhopper *Empoasca fabae* as a bean pest. Dwight M. DeLong. 64 p. 1940.
741. Three species of the genus *Lygus* and their relation to alfalfa seed production in southern Arizona and California. Loyd L. Stitt. 19 p. 1940.
748. Rapid determination of soybean oil content and of iodine number of soybean oil. Lawrence Zeleny and M. H. Neustadt. 23 p. 1940.
753. Seasonal changes in Florida oranges. Paul L. Harding, J. R. Winston, and D. F. Fisher. 89 p. 1940.
760. Residual effects of forcing and hardening of tomato, cabbage, and cauliflower plants. M. F. Babb. 35 p. 1940.

NOTE.—Numbers omitted have not been issued. (December 31, 1940.)

UNNUMBERED PUBLICATIONS

First aid for flooded homes and farms. 16 p. 1937.
Maryland farm handbook—1940. 59 p. 1940.
The Negro in American agriculture. 11 p. 1940.

YEARBOOKS

1936. Yearbook of agriculture. 1189 p. 1936.
1937. Yearbook of agriculture. 1497 p. 1937.
1938. Soils and men. 1232 p. 1938.
1939. Food and life. 1165. 1939.
1940. Farmers in a changing world. 1215 p. 1940.

YEARBOOK SEPARATES

1936 YEARBOOK

1555. Introduction to 1936 yearbook of agriculture. Gove Hambidge, E. N. Bressman, and J. H. Kempton. Pp. 119–206. 1936.
1556. Sugar plants. E. W. Brandes, G. B. Sartoris, and G. H. Coons. Pp. 153–164, 561–656. 1937.
1557. Grain crops. J. Allen Clark, H. V. Harlan, M. L. Martini, T. R. Stanton, Jenkin W. Jones, Merle T. Jenkins, and John H. Martin. Pp. 153–164, 207–560. 1936.
1558. Fiber crops. J. O. Ware and A. C. Dillman. Pp. 153–164, 657–784. 1937.
1559. Tobacco. W. W. Garner, H. A. Allard, and E. E. Clayton. Pp. 153–164, 785–830. 1936.
1560. Livestock. W. H. Black, H. C. McPhee, O. G. Hankins, D. A. Spencer, J. O. Williams, William Jackson, Morley A. Jull, R. R. Graves, and M. H. Fohrman. Pp. 153–164, 831–1141. 1937.
1561. Beef and dual-purpose cattle breeding. W. H. Black. Pp. 863–886. 1937.
1562. Swine—some current breeding problems. H. C. McPhee and O. G. Hankins. Pp. 887–905. 1937.
1563. Breeding problems with sheep. H. C. McPhee and D. A. Spencer. Pp. 907–928. 1937.
1564. Improving horses and mules. J. O. Williams and William Jackson. Pp. 929–946. 1937.
1565. Superior breeding stock in poultry. Morley A. Jull. Pp. 947–995. 1937.
1566. Superior germ plasm in dairy herds. R. R. Graves and M. H. Fohrman. Pp. 997–1141. 1937.
1567. Better plants and animals. Gove Hambidge and E. N. Bressman. Pp. 119–152. 1937.
1568. Livestock breeding at the crossroads. Pp. 831–862. 1937.

1569. Heredity under the microscope. J. H. Kempton. Pp. 165–182. 1937.
1570. Improvement in wheat. J. Allen Clark. Pp. 207–302. 1937.
1571. Problems and results in barley breeding. H. V. Harlan and M. L. Martini. Pp. 303–346. 1937.
1572. Superior germ plasm in oats. T. R. Stanton. Pp. 347–414. 1937.
1573. Improvement in rice. Jenkin W. Jones. Pp. 415–454. 1937.
1574. Corn improvement. Merle T. Jenkins. Pp. 455–522. 1937.
1575. Sorghum improvement. John H Martin. Pp. 523–560. 1937.
1576. Sugarcane: Its origin and improvement. E. W. Brandes and G. B. Sartoris. Pp. 561–623. 1937.
1577. Improvement of the sugar beet. G. H. Coons. Pp. 625–656. 1937.
1578. Plant breeding and the cotton industry. J. O. Ware. Pp. 657–744. 1937.
1579. Improvement in flax. A. C. Dillman. Pp. 745–784. 1937.
1580. Superior germ plasm in tobacco. W. W. Garner, H. A. Allard, and E. E. Clayton. Pp. 785–830. 1937.

1937 YEARBOOK

1581. Breeding vegetable crops. Victor R. Boswell, T. W. Whitaker, I. C. Jagger, H. A. Jones, B. L. Wade, Roy Magruder, C. F. Poole, Ross C. Thompson, and Arthur M. Brunson. Pp. 171–404. 1937.
1582. Breeding and genetics in potato improvement. F. J. Stevenson and C. F. Clark. Pp. 405–444. 1937.
1583. Breeding small fruits. George M. Darrow. Pp. 445–544. 1937.
1584. Some unusual opportunities in plant breeding. George M. Darrow and Guy E. Yerkes. Pp. 545–558. 1937.
1585. Improving the wild blueberry. Frederick V. Coville. Pp. 559–574. 1937.
1586. Breeding apples and pears. J. R. Magness. Pp. 575–630. 1937.
1587. Grape development and improvement. Elmer Snyder. Pp. 631–664. 1937.
1588. Improvement of stone fruits. F. P. Cullinan. Pp. 665–748. 1937.
1589. Improvement of subtropical fruit crops. Hamilton P. Traub and T. Ralph Robinson. Pp. 749–826, 1–77. 1937.
1590. Nut breeding. H. L. Crane, C. A. Reed, and M. N. Wood. Pp. 827–889. 1937.
1591. Improvement of flowers by breeding. S. L. Emsweller, Philip Brierley, D. V. Lumsden, and F. L. Mulford. Pp. 890–998, 1–48. 1937.
1592. Miscellaneous forage and cover crop legumes. Roland McKee and A. J. Pieters. Pp. 999–1031. 1937.
1593. Breeding miscellaneous grasses. H. N. Vinall and M. A. Hein. Pp. 1032–1102. 1937.
1594. Improvement of timothy. Morgan W. Evans. Pp. 1103–1121. 1937.
1595. Alfalfa improvement. H. M. Tysdal and H. L. Westover. Pp. 1122–1153. 1937.
1596. Improvement in soybeans. W. J. Morse and J. L. Cartter. Pp. 1154–1189. 1937.
1597. Clover improvement. A. J. Pieters and E. A. Hollowell. Pp. 1190–1214. 1937.
1598. Varietal improvement in hops. D. C. Smith. Pp. 1215–1241. 1937.
1599. Improvement of forest trees. Ernst J. Schreiner. Pp. 1224–1279, 1–16. 1938.
1600. Breeding goats. W. V. Lambert and V. L. Simmons. Pp. 1280–1313. 1937.
1601. Heredity in the dog. W. M. Dawson. Pp. 1314–1349. 1937.
1602. The breeding of turkeys and ducks. Stanley J. Marsden, Charles W. Knox, and A. R. Lee. Pp. 1350–1378. 1937.
1603. The breeding of the fur animals. Frank G. Ashbrook. Pp. 1379–1395. 1937.
1604. Bee breeding. W. J. Nolan. Pp. 1396–1418. 1937.
1605. Fundamentals of heredity for breeders. E. N. Bressman, J. R. Magness, and Albert F. Blakeslee. Pp. 1419–1477, 1–35. 1937.
1606. Popcorn breeding. Arthur M. Brunson. Pp. 395–404. 1937.

1938 YEARBOOK

1607. Soils and men—a summary. Gove Hambidge. Pp. 1–44. 1939.
1608. Public purposes in soil use. Carl C. Taylor, Bushrod W. Allin, and O. E. Baker. Pp. 47–59. 1939.
1609. The problem: Land unfit for farming in the humid areas. C. P. Barnes. Pp. 60–67. 1939.
1610. The problem: Subhumid areas. John B. Bennett, F. R. Kenney, and W. R. Chapline. Pp. 68–76. 1939.
1611. The problem: Drained areas and wildlife habitats. F. R. Kenney and W. L. McAtee. Pp. 2–8. 1939.
1612. The problem: The Nation as a whole. E. J. Utz, Charles E. Kellogg, E. H. Reed, J. H. Stallings, and E. N. Munns. Pp. 84–110. 1939.
1613. The causes: Traditional attitudes and institutions. L. C. Gray, John B. Bennett, Erich Kraemer, and W. N. Sparhawk. Pp. 111–136. 1939.
1614. The causes: Defects in farming systems and farm tenancy. M. R. Cooper, W. J. Roth, J. G. Maddox, R. Schickele, and H. A. Turner. Pp. 137–157. 1939.
1615. The causes: Imperfections in agricultural finance. David L. Wickens, R. Clifford Hall, and Donald Jackson. Pp. 158–170. 1939.
1616. The causes: Price relations and economic instability. Louis H. Bean, J. P. Cavin, and Gardiner C. Means. Pp. 171–197. 1939.
1617. The remedies: Education and research. C. W. Warburton, C. B. Manifold, Charles E. Kellogg, and C. P. Barnes. Pp. 198–222. 1939.
1618. The remedies: Policies for public lands. Earle H. Clapp, E. N. Munns, I. H. Sims, George S. Wehrwein, and C. F. Clayton. Pp. 223–240. 1939.
1619. The remedies: Policies for private lands. George S. Wehrwein, Clarence I. Hendrickson, M. H. Saunderson, Philip M. Glick, Carl C. Taylor, Francis R. Kenney, and Marshall Harris. Pp. 241–264. 1939.
1620. The remedies: Changes in agricultural finance. Donald Jackson, R. Clifford Hall, Roy M. Green, and David L. Wickens. Pp. 265–278. 1939.
1621. The remedies: Direct aids to farmers. O. V. Wells, J. P. Cavin, and D. S. Myer. Pp. 279–288. 1939.
1622. The remedies: Economic stabilization. O. V. Wells and Bushrod W. Allin. Pp. 289–295. 1939.
1623. The soil and the law. Philip M. Glick. Pp. 296–318. 1939.

1624. Tillage. John S. Cole and O. R. Mathews. Pp. 321–328. 1939.
1625. Tillage machinery. R. B. Gray. Pp. 329–346. 1939.
1626. Loss of soil organic matter and its restoration. William A. Albrecht. Pp. 347–360. 1939.
1627. Soil nitrogen. Oswald Schreiner and B. E. Brown. Pp. 361–376. 1939.
1628. Phosphorus deficiency and soil fertility. W. H. Pierre. Pp. 377–396. 1939.
1629. Soil potassium in relation to soil fertility. H. P. Cooper, Oswald Schreiner, and B. E. Brown. Pp. 397–405. 1939.
1630. Crop rotation. Clyde E. Leighty. Pp. 406–430. 1939.
1631. The use of cover and green-manure crops. A. J. Pieters and Roland McKee. Pp. 431–444. 1939.
1632. Farm manure. Robert M. Salter and C. J. Schollenberger. Pp. 445–461. 1939.
1633. The nature and use of organic amendments. Irvin C. Feustel. Pp. 462–468. 1939.
1634. Determining the fertilizer requirements of soils. Oswald Schreiner and M. S. Anderson. Pp. 469–486. 1939.
1635. Fertilizer materials. Oswald Schreiner, Albert R. Merz, and B. E. Brown. Pp. 487–521. 1939.
1636. Mixed fertilizers. William H. Ross and Arnon L. Mehring. Pp. 522–545. 1939.
1637. Methods of applying fertilizers. Robert M. Salter. Pp. 546–562. 1939.
1638. Soil acidity and liming. Emil Truog. Pp. 563–580. 1939.
1639. General aspects of the soil-erosion problem. Hugh H. Bennett and W. C. Lowdermilk. Pp. 581–608. 1939.
1640. Forests for erosion control. E. N. Munns, John F. Preston, and Ivan H. Simms. Pp 609–614. 1939.
1641. Grass and other thick-growing vegetation in erosion control. C. R. Enlow and G. W. Musgrave. Pp. 615–633. 1939.
1642. Strip cropping. Walter V. Kell. Pp. 634–645. 1939.
1643. Mechanical measures of erosion control. M. L. Nichols and T. B. Chambers. Pp. 646–665. 1939.
1644. The coordinated approach of soil-erosion control. Ervin J. Utz. Pp. 666–678. 1939.
1645. Special dry-farming problems. O. R. Mathews and John S. Cole. Pp. 679–692. 1939.
1646. Irrigation in the United States. Wells A. Hutchins, M. R. Lewis, and P. A. Ewing. Pp. 693–703. 1939.
1647. Soil, water supply, and soil solution in irrigation agriculture. C. S. Scofield. Pp. 704–716. 1939.
1648. Drainage in arid regions. James Thorp and C. S. Scofield. Pp. 717–722. 1939.
1649. Drainage in the humid regions. John R. Haswell. Pp. 723–736. 1939.
1650. Management of forest soils. Ivan H. Simms, E. N. Munns, and John T. Auten. Pp. 737–750. 1939.
1651. The soil requirements of economic plants. M. F. Morgan, J. H. Gourley, and J. K. Ableiter. Pp. 753–776. 1939.
1652. Some relationships of soil to plant and animal nutrition—the major elements. C. A. Browne. Pp. 777–806. 1939.
1653. Neglected soil constituents that affect plant and animal development. J. E. McMurtrey, Jr., and W. O. Robinson. Pp. 807–829. 1939.
1654. Selenium in soils. K. T. Williams. Pp. 830–834. 1939.
1655. Plants as soil indicators. H. L. Shantz. Pp. 835–860. 1939.
1656. Soil and society. Charles E. Kellogg. Pp. 863–886. 1939.
1657. The physical nature of soil. T. D. Rice and L. T. Alexander. Pp. 887–896. 1939.
1658. Water relations of soils. L. B. Olmstead and W. O. Smith. Pp. 897–910. 1939.
1659. General chemistry of the soil. Horace G. Byers, M. S. Anderson, and Richard Bradfield. Pp. 911–928. 1939.
1660. Soil organic matter and soil humus. Constantin C. Nikiforoff. Pp. 929–939. 1939.
1661. Fauna and flora of the soil. Charles Thom and Nathan R. Smith. Pp. 940–947. 1939.
1662. Formation of soil. H. G. Byers, Charles E. Kellogg, M. S. Anderson, and James Thorp. Pp. 948–978. 1939.
1663. Soil classification. Mark Baldwin, Charles E. Kellogg, and James Thorp. Pp. 979–1001. 1939.
1664. Soil maps and their use. J. Kenneth Ableiter. Pp. 1002–1015. 1939.
1665. Soils of the United States. Bureau of Chemistry and Soils. Pp. 1019–1161. 1939.
1666. A glossary of special terms used in the Soils Yearbook. Pp. 1162–1180. 1939.
1667. Literature cited for Yearbook of Agriculture 1938. Pp. 1181–1207. 1939.

1939 YEARBOOK

1668. Human nutrition. Reprint of Part 1. Pp. 97–402, 1075–1142. 1940.
1669. Food and life—a summary. Gove Hambidge. Pp. 3–94. 1940.
1670. From tradition to science. Louise Stanley. Pp. 97–99. 1940.
1671. Food functions and the relation of food to health. Lela E. Booher and Callie Mae Coons. Pp. 100–123. 1940.
1672. Food habits, old and new. Hazel K. Stiebeling. Pp. 124–130. 1940.
1673. Can food habits be changed? Paul E. Howe. Pp. 131–138. 1940.
1674. Food fads, facts, and fancies. Helen S. Mitchell. Pp. 139–144. 1940.
1675. The white rat as a contributor to science. M. H. Friedman. Pp. 145–151. 1940.
1676. Human food requirements—carbohydrates, fats, energy. Pp. 152–172. 1940.
1677. Protein requirements of man. D. Breese Jones. Pp. 173–186. 1940.
1678. Mineral needs of man. Henry C. Sherman. Pp. 187–220. 1940.
1679. Vitamin needs of man. Pp. 221–271. 1940.
1680. Food composition. Charlotte Chatfield and Georgian Adams. Pp. 272–285. 1940.
1681. Vitamin content of foods. Esther Peterson Daniel. Pp. 286–295. 1940.
1682. Present-day diets in the United States. Hazel K. Stiebeling and Callie Mae Coons. Pp. 296–320. 1940.
1683. Planning for good nutrition. Hazel K. Stiebeling and Faith Clark. Pp. 321–340. 1940.
1684. Micro-organisms in foods and food preservation. Harry E. Goresline. Pp. 341–349.
1685. Enzymes in foods and food preservation. A. K. Balls. Pp. 350–354. 1940.
1686. United States meat inspection. Edward C. Joss. Pp. 355–359. 1940.
1687. Supervision and inspection of milk. Ernest Kelly. Pp. 360–363. 1940.

1688. Food grades and the consumer. Marius Farioletti. Pp. 364–371. 1940.
1689. What the modern homemaker needs to know. Miriam Birdseye. Pp. 372–379. 1940.
1690. Better nutrition as a national goal. Pp. 380–402. 1940.
1691. Sources and cycles of the nutritive elements. E. J. Kraus. Pp. 405–417. 1940.
1692. The digestive processes in domestic animals. H. W. Schoening. Pp. 418–430. 1940.
1693. Factors affecting maintenance nutrition, feed utilization, and health of farm animals. Louis L. Madsen. Pp. 431–449. 1940.
1694. Growth, fattening, and meat production. O. G. Hankins and Harry W. Titus. Pp. 450–468. 1940.
1695. Some effects of nutritional levels. Paul E. Howe. Pp. 469–475. 1940.
1696. The relation of diet to reproduction. Pp. 476–491. 1940.
1697. The relation of nutrition to the production of hides and wool. John I. Hardy and Imogene P. Earle. Pp. 492–500. 1940.
1698. The nutrition of very young animals. Imogene P. Earle. Pp. 501–518. 1940.
1699. Nutritional requirements of beef and dual-purpose cattle. W. H. Black, Bradford Knapp, Jr., and J. R. Douglas. Pp. 519–543. 1940.
1700. Practices in the feeding of beef and dual-purpose cattle. W. H. Black. Pp. 544–565. 1940.
1701. The feeding of dairy cows for intensive milk production in practice. Edward B. Meigs. Pp. 566–591. 1940.
1702. Figuring the rations of dairy cows. T. E. Woodward. Pp. 592–596. 1940.
1703. Practical feeding and nutritional requirements of young dairy stock. Joseph B. Shepherd and H. T. Converse. Pp. 597–638. 1940.
1704. Variations in the composition of milk. P. A. Wright, E. F. Deysher, and C. A. Cary. Pp. 639–648. 1940.
1705. Utilization of feed energy and feed protein in milk secretion. C. A. Cary. Pp. 649–667. 1940.
1706. The vitamins in milk and in milk production. C. A. Cary. Pp. 668–684. 1940.
1707. Glands, hormones, and blood constituents—their relation to milk secretion. Pp. 685–698. 1940.
1708. Milk in nutritional research—a sketch of progress. C. A. Cary. Pp. 699–705. 1940.
1709. Nutritive requirements of swine. N. R. Ellis and J. H. Zeller. Pp. 706–722. 1940.
1710. Practices in swine feeding. J. H. Zeller and N. R. Ellis. Pp. 723–745. 1940.
1711. Feeding problems with sheep. Damon A. Spencer. Pp. 746–757. 1940.
1712. Feeding problems with goats. Damon A. Spencer. Pp. 758–762. 1940.
1713. Nutrition of horses and mules. Earl B. Krantz and S. R. Speelman. Pp. 763–786. 1940.
1714. Practical nutritive requirements of poultry. Harry W. Titus. Pp. 787–843. 1940.
1715. Nutritional requirements of dogs. Imogene P. Earle. Pp. 844–855. 1940.
1716. Feeding dogs. S. R. Speelman. Pp. 856–870. 1940.
1717. Nutrition of fur animals. Charles E. Kellogg. Pp. 871–892. 1940.
1718. Feeding requirements of gallinaceous upland game birds. Ralph B. Nestler. Pp. 892–924. 1940.
1719. Pasture and range in livestock feeding. P. V. Cardon, W. R. Chapline, T. E. Woodward, E. W. McComas, and C. R. Enlow. Pp. 925–955. 1940.
1720. The nutritive value of harvested forages. T. E. Woodward, W. H. Hesterman, P. V. Cardon, and E. W. McComas. Pp. 956–991. 1940.
1721. Losses in making hay and silage. J. A. LeClerc. Pp. 992–1016. 1940.
1722. Nutritive value of miscellaneous feeds. Earl W. McComas and Thompson E. Woodward. Pp. 1017–1026. 1940.
1723. Deficient and excess minerals in forage in the United States. A. M. Hartman. Pp. 1027–1044. 1940.
1724. What do we need to know in livestock nutrition? O. E. Reed. Pp. 1045–1064. 1940.
1725. Composition of the principal feedstuffs used for livestock. N. R. Ellis, W. R. Kauffman, and C. O. Miller. Pp. 1065–1074. 1940.
1726. Literature cited for Yearbook of Agriculture—1939. Pp. 1075–1142. 1940.

1940 YEARBOOK

1727. Farmers in a changing world—a summary. Gove Hambidge. Pp. 1–100. 1940.
1728. The farmer's changing world. F. F. Elliott. Pp. 103–110. 1940.
1729. Old ideals versus new ideas in farm life. Paul H. Johnstone. Pp. 111–170. 1940.
1730. American agriculture—the first 300 years. Everett E. Edwards. Pp. 171–276. 1940.
1731. Agriculture in the World War period. A. B. Genung. Pp. 277–296. 1940.
1732. The development of agricultural policy since the end of the World War. Chester C. Davis. Pp. 297–326. 1940.
1733. Agricultural surpluses and nutritional deficits. J. P. Cavin, Hazel K. Stiebeling, and Marius Farioletti. Pp. 329–341. 1940.
1734. The farmer's stake in greater industrial production. Louis H. Bean. Pp. 342–365. 1940.
1735. The city man's stake in the land. Arthur P. Chew. Pp. 366–381. 1940.
1736. Agriculture today: An appraisal of the agricultural problem. O. V. Wells. Pp. 385–397. 1940.
1737. Our major agricultural land-use problems and suggested lines of action. L. C. Gray. Pp. 398–415. 1940.
1738. The challenge of conservation. Bushrod W. Allin and Ellery A. Foster. Pp. 416–428. 1940.
1739. Our soil can be saved. H. H. Bennett. Pp. 429–440. 1940.
1740. The new range outlook. W. R. Chapline, F. G. Renner, and Raymond Price. Pp. 441–457. 1940.
1741. Forest-resource conservation. R. E. Marsh and William H. Gibbons. Pp. 458–488. 1940.
1742. Farm management problems in an era of change. Sherman E. Johnson. Pp. 489–508. 1940.
1743. The influence of technical progress on agricultural production. R. S. Kifer, B. H. Hurt, and Albert A. Thornbrough. Pp. 509–532. 1940.
1744. The place of forests in the farm economy. Burt P. Kirkland. Pp. 533–550. 1940.

1745. Acreage allotments, marketing quotas, and commodity loans as means of agricultural adjustment. J. B. Hutson. Pp. 551–565. 1940.
1746. The meaning of foreign trade for agriculture. Arthur P. Chew. Pp. 566–584. 1940.
1747. Reciprocal trade agreements—a new method of tariff making. L. A. Wheeler. Pp. 585–595. 1940.
1748. Methods of increasing agricultural exports. H. B. Boyd. Pp. 596–605. 1940.
1749. The industrial market for farm products. W. B. Van Arsdel. Pp. 606–626. 1940.
1750. Reducing the costs of food distribution. A. C. Hoffman and F. V. Waugh. Pp. 627–637. 1940.
1751. Marketing-agreement programs as a means of agricultural adjustment. B. A. Holt and D. M. Rubel. Pp. 638–649. 1940.
1752. Thirty million customers for the surplus. Milo Perkins. Pp. 650–655. 1940.
1753. Barriers to internal trade in farm products. E. L. Burtis and F. V. Waugh. Pp. 656–666. 1940.
1754. Standardization and inspection of farm products. C. W. Kitchen. Pp. 667–683. 1940.
1755. Cooperative marketing by farmers. E. A. Stokdyk. Pp. 684–705. 1940.
1756. The growth of farm-city cooperative associations. Sidney N. Gubin. Pp. 706–719. 1940.
1757. The transportation problem of agriculture. Ralph L. Dewey and James C. Nelson. Pp. 720–739. 1940.
1758. Agricultural credit. E. C. Johnson. Pp. 740–754. 1940.
1759. Crop insurance. William H. Rowe and Leroy K. Smith. Pp. 755–770. 1940.
1760. Rural taxation. Eric Englund. Pp. 771–789. 1940.
1761. Rural electrification. Robert T. Beall. Pp. 790–809. 1940.
1762. New conditions demand new opportunities. Raymond C. Smith. Pp. 810–826. 1940.
1763. The rural people. O. E. Baker and Conrad Taeuber. Pp. 827–847. 1940.
1764. Patterns of living of farm families. Day Monroe. Pp. 848–869. 1940.
1765. Overcrowded farms. W. W. Alexander. Pp 870–886. 1940.
1766. Farm tenancy. Paul V. Maris. Pp. 887–906. 1940.
1767. Farm labor in an era of change. William T. Ham. Pp. 907–921. 1940.
1768. Beyond economics. M. L. Wilson. Pp. 922–937. 1940.
1769. Trends in national farm organizations. DeWitt C. Wing. Pp. 941–979. 1940.
1770. Cultural anthropology and modern agriculture. Robert Redfield and W. Lloyd Warner. Pp. 983–993. 1940.
1771. Democracy in agriculture—why and how? Rensis Likert. Pp. 994–1002. 1940.
1772. The cultural setting of American agricultural problems. Ralph Turner. Pp. 1003–1032. 1940.
1773. Education for rural life. Edwin R. Embree. Pp. 1033–1041. 1940.
1774. The contribution of sociology to agriculture. Carl C. Taylor. Pp. 1042–1055.
1775. A philosophy of life for the American farmer (and others). William Ernest Hocking. Pp. 1056–1071. 1940.
1776. Public information and the preservation of democracy. Alfred D. Stedman. Pp. 1075–1080. 1940.
1777. Science and agricultural policy. T. Swann Harding. Pp. 1081–1110. 1940.
1778. Schools of philosophy for farmers. Carl Taeusch. Pp. 1111–1123. 1940.
1779. Old and new in agricultural organizations. Milton Eisenhower and Roy I. Kimmel. Pp. 1125–1137. 1940.
1780. Cooperative land use planning—a new development in democracy. Ellery A. Foster and Harold A. Vogel. Pp. 1138–1156. 1940.
1781. Some essentials of a good agricultural policy. H. R. Tolley. Pp. 1159–1183. 1940.
1782. A brief chronology of American agricultural history. Dorothy C. Goodwin and Paul H. Johnstone. Pp. 1184–1196. 1940.

OFFICE OF THE SECRETARY

REPORT OF THE SECRETARY

1936. Henry A. Wallace. 115 p. 1936.
1937. Henry A. Wallace. 115 p. 1937.
1938. Henry A. Wallace. 160 p. 1938.
1939. Henry A. Wallace. 169 p. 1939.
1940. Henry A. Wallace. 184 p. 1940.

OFFICE OF BUDGET AND FINANCE

REPORT OF THE DIRECTOR OF FINANCE

1936. W. A. Jump. 28 p. 1936.
1937. W. A. Jump. 41 p. 1937.
1938. W. A. Jump. 24 p. 1938.
1939. W. A. Jump. 26 p. 1939.
1940. W. A. Jump. 32 p. 1940.

OFFICE OF EXPERIMENT STATIONS

REPORT OF THE CHIEF

1936. James T. Jardine. 14 p. 1936.
1937. James T. Jardine. 10 p. 1937.
1938. James T. Jardine. 19 p. 1938.
1939. James T. Jardine. 22 p. 1939.
1940. James T. Jardine. 26 p. 1940.

REPORT ON THE AGRICULTURAL EXPERIMENT STATIONS

1935. J. T. Jardine and W. H. Beal. 160 p. 1936.
1936. J. T. Jardine and W. H. Beal. 208 p. 1937.
1937. J. T. Jardine and W. H. Beal. 226 p. 1938.
1938. J. T. Jardine and F. D. Fromme. 199 p. 1939.
1939. J. T. Jardine and F. D. Fromme. 265 p. 1940.

EXPERIMENT STATION RECORD

Vol. 74, No. 1 to Vol. 83, No. 6. January 1936 to December 1940. Monthly. Two volumes and indexes a year.

HAWAII AGRICULTURAL EXPERIMENT STATION

REPORT [1]

1935. 28 p. 1936.

PUERTO RICO EXPERIMENT STATION

REPORT [2]

1935. 34 p. 1936.
1936. 103 p. 1937.
1937. 115 p. 1938.
1938. 137 p. 1939.
1939. 126 p. 1940.

BULLETINS

38. Parasites and parasitic diseases of swine in Puerto Rico. H. L. Van Volkenberg. 14 p. 1936.
39. Insects and a mite found on cotton in Puerto Rico, with notes on their economic importance and natural enemies. L. Courtney Fife. 14 p. 1939.

CIRCULARS

22. An annotated check list of the parasites of animals in Puerto Rico. H. L. Van Volkenberg. 12 p. 1939.
23. Experiments in controlling corn ear pests in Puerto Rico. Wallace K. Bailey. 23 p. 1940.

EXTENSION SERVICE

REPORT

1933. Serving American agriculture. A report of extension work in agriculture and home economics in 1933. C. W. Warburton and C. B. Smith. 69 p. 1936.
1934. On the front lines with agriculture. A report of extension work in agriculture and home economics in 1934. C. W. Warburton and C. B. Smith. 80 p. 1937.
1935. Building rural leadership. A report of extension work in agriculture and home economics in 1935. C. W. Warburton, Reuben Brigham, and C. B. Smith. 76 p. 1938.
1936. Meeting the challenge of agriculture. A report of extension work in agriculture and home economics in 1936. C. W. Warburton, C. B. Smith, and Reuben Brigham. 101 p. 1939.
1937. Serving farm people on many fronts. Annual report of Extension Service. 1937. C. W. Warburton and Reuben Brigham. 40 p. 1939.
1938. For better rural living. A report of cooperative extension work in agriculture and home economics in 1938. C. W. Warburton, and Reuben Brigham. 45 p. 1940.
1939. Leaders on the land. A report of cooperative extension work in agriculture and home economics in 1939. C. W. Warburton and Reuben Brigham. 39 p. 1940.

EXTENSION SERVICE REVIEW

Vol. 7, No. 1 to Vol. 11, No. 12. January 1936 to December 1940. Monthly.

UNNUMBERED PUBLICATIONS

Make or buy a mattress. Folder. [1940.]
Make surplus cotton work. [14 p. 1940.]

EXTENSION SERVICE AND THE AGRICULTURAL ADJUSTMENT ADMINISTRATION COOPERATING

D SERIES

3. What is the discussion leader's job? 21 p. 1937.

---

[1] Later reports issued by the University of Hawaii.
[2] Also issued in Spanish.

DS SERIES

1. What should be the farmer's share in the national income? 13 p. 1936.
2. How do farm people live in comparison with city people? 13 p. 1936.
3. Should farm ownership be a goal of agricultural policy? 13 p. 1936.
4. Exports and imports—how do they affect the farmer? 13 p. 1936.
5. Is increased efficiency in farming always a good thing? 13 p. 1936.
6. What should farmers aim to accomplish through organization? 13 p. 1936.
7. What kind of agricultural policy is necessary to save our soil? 13 p. 1936.
8. What part should farmers in your county take in making national agricultural policy? 14 p. 1936.
9. Taxes: Who pays, what for? 13 p. 1937.
10. Rural communities: What do they need most? 14 p. 1937.
11. Soil conservation: Who gains by it? 13 p. 1937.
12. Co-ops: How far can they go? 13 p. 1937.
13. Farm finance: What is a sound system? 13 p. 1937.
14. Crop insurance: Is it practical? [13 p.] 1937.
15. Reciprocal trade agreements: Hurting or helping the country? 13 p. 1937.
16. Farm security: How can tenants find it? [13 p.] 1937.
17. The national agricultural program: What's it all about? (What about cotton?) 62 p. 1938.
18. The national agricultural program: What's it all about? (What about wheat?) 62 p. 1938.
19. *See* Bureau of Agricultural Economics and Extension Service, DS series.

OFFICE OF FOREIGN AGRICULTURAL RELATIONS

REPORT OF THE DIRECTOR

1940. L. A. Wheeler. 14 p. 1940.

OFFICE OF INFORMATION

REPORT OF THE DIRECTOR

1936. M. S. Eisenhower. 14 p. 1936.
1937. M. S. Eisenhower. 12 p. 1937.
1938. (Mimeographed).
1939. M. S. Eisenhower. 16 p. 1939.
1940. M. S. Eisenhower. 16 p. 1940.

MONTHLY LIST OF PUBLICATIONS

January 1936 to December 1940. Monthly.

UNNUMBERED PUBLICATIONS

Achieving a balanced agriculture. How the National Farm Program meets the changing problem. 74 p. 1934. Revised 1940.
The response of Government to agriculture. Arthur P. Chew. 107 p. 1937.
Farmers' bulletins and leaflets of the United States Department of Agriculture. 9 p. 1939.
Citations to literature in the Journal of Agricultural Research, technical bulletins, circulars, and miscellaneous publications (other than bibliographies). Carolyn Whitlock. 17 p. [1940.]

LIBRARY

ANNUAL REPORT OF THE LIBRARIAN

1936. Claribel R. Barnett. 16 p. 1936.
1937. Claribel R. Barnett. 16 p. 1937.
1938. (Mimeographed.)
1939. Claribel R. Barnett. 27 p. 1939.
1940. Claribel R. Barnett. 27 p. 1940.

OFFICE OF THE DIRECTOR OF MARKETING

CONSUMERS' COUNSEL DIVISION

REPORT

1940. D. E. Montgomery. 16 p. 1940.

CONSUMERS' GUIDE[3]

Vol. 6, No. 11 to Vol. 7, No. 6. March 1, 1940 to December 16, 1940.

[3] For previous issues *see* Agricultural Adjustment Administration, from which this Division was transferred February 1, 1940.

OFFICE OF PERSONNEL

REPORT OF THE DIRECTOR

1936. W. W. Stockberger. 7 p. 1936.
1937. W. W. Stockberger. 7 p. 1937.
1938. W. W. Stockberger. 10 p. 1938.
1939. Roy F. Hendrickson. 24 p. 1939.
1940. Roy F. Hendrickson. 26 p. 1940.

OFFICE OF PLANT AND OPERATIONS

REPORT OF THE CHIEF

1939. Arthur B. Thatcher. 11 p. 1939.
1940. Arthur B. Thatcher. 11 p. 1940.

OFFICE OF THE SOLICITOR

REPORT

1936. Mastin G. White. 30 p. 1936.
1937. Mastin G. White. 32 p. 1937.
1938. Mastin G. White. 31 p. 1938.
1939. Mastin G. White. 28 p. 1939.
1940. Mastin G. White. 38 p. 1940.

UNNUMBERED PUBLICATIONS

Laws applicable to the United States Department of Agriculture. 1935. J. P. Wenchel and Morrow H. Moore. 750 p. 1936.

AGRICULTURAL ADJUSTMENT ADMINISTRATION

REPORT

Agricultural adjustment 1933 to 1935. A report of administration of the Agricultural Adjustment Act May 12, 1933, to December 31, 1935. C. C. Davis. 322 p. 1936.
Agricultural conservation 1936. A report of the activities of the Agricultural Adjustment Administration. H. R. Tolley. 200 p. 1937.
Agricultural adjustment 1937–38. A report of the activities carried on by the Agricultural Adjustment Administration. H. R. Tolley. 385 p. 1939.
Agricultural adjustment 1938–39. A report of the activities carried on by the Agricultural Adjustment Administration. R. M. Evans. 142 p. 1939.
Agricultural adjustment 1939–40. A report of the activities carried on by the Agricultural Adjustment Administration. R. M. Evans. 154 p. 1940.

COMMODITY INFORMATION SERIES

CORN LEAFLETS

38–1. Corn loans, acreage allotments and marketing quotas. 4 p. 1938.
38–2. Corn storage in the ever-normal granary. 28 p. 1938.
38–3. The A. A. A. corn plan. Why the corn plan? Folder. 1938.

COTTON LEAFLETS

38–1. Questions and answers on the Agricultural Adjustment Act of 1938 as it applies to cotton. [4] p. 1938.
38–2. Marketing quotas for cotton. [1] p. 1938.
38–3. Foreign cotton production and U. S. cotton policies. L. H. Dean. 11 p. 1938.
38–4. The no-control cotton plan. I. W. Duggan. 15 p. 1938.
39–1. Questions and answers—1939 cotton marketing quotas and other features of the A. A. A. farm program applicable to cotton. 4 p. 1938.
39–2. Facts about cotton marketing quotas for 1939. [2] p. 1938.
39–3. What is the cotton situation? 6 p. 1938.
39–4. Cotton in the national farm program. 6 p. 1938.
40–1. The farm program and cotton marketing quotas in 1940. 7 p. 1939.
40–2. Do you favor cotton marketing quotas for 1940? [2] p. 1939.
41–1. Cotton marketing quotas in 1941. 6 p. 1940.
41–2. Do you favor cotton marketing quotas for 1941? [2] p. 1940.

RICE LEAFLETS

39–1. Questions and answers on rice marketing quotas for 1939. [2] p. 1938.

TOBACCO LEAFLETS

38–1. Flue-cured tobacco facts. 4 p. 1938.
38–2. The Agricultural Adjustment Act of 1938 in relation to flue-cured tobacco. 4 p. 1938.
38–3. Fire-cured and dark air-cured tobacco. 4 p. 1938.
38–4. The A. A. A. farm program for cigar-tobacco growers. 4 p. 1938.

38–5. Burley tobacco facts and the new act. 4 p. 1938.
38–50. The AAA plan for bright tobacco. Folder. 1938.
38–51. The AAA plan for burley tobacco. Folder. 1938.
38–52. The AAA plan for dark tobacco. Folder. 1938.
41–8. To flue-cured tobacco growers. 4 p. 1940.
41–18. Burley tobacco referendum, Saturday, November 23, 1940. Folder. [1940.]

WHEAT LEAFLETS

38–1. Wheat storage in the ever-normal granary. H. A. Wallace. 24 p. 1938.
38–2. Wheat and the Agricultural Adjustment Act of 1938. 8 p. 1938.
38–3. Protection for wheat incomes. Folder. 1938.

COTTON ADJUSTMENT PAYMENTS

102. 1937 cotton price adjustment payment plan. [4] p. 1937.
106. Should a producer transfer his loan cotton to the Government? 1 p. 1938.

DISCUSSION SERIES DN

1. Suggestions for discussion group members. [2] p. [1939.]
2. Suggestions for group discussion leaders. [2] p. [1939.]

GENERAL INFORMATION SERIES

G–52. Summary of provisions of the Soil Conservation and Domestic Allotment Act. 4 p. 1936.
G–53. Saving the soil. 8 p. 1936.
G–54. Soil conservation—Its place in national agricultural policy. H. R. Tolley. 27 p. 1936.
G–55. Agricultural adjustment 1933 to 1935. A report of administration of the Agricultural Adjustment Act, May 12, 1933, to December 31, 1935. 322 p. 1936.
G–56. Making the most of the home market. Henry A. Wallace. 8 p. 1936.
G–57. Unshackling our export trade. Chester C. Davis. 8 p. 1936.
G–58. Farm buying and industrial recovery. 22 p. 1936.
G–59. Farm imports and national prosperity. 11 p. 1936.
G–60. Planning the 1937 farm program. 8 p. 1936.
G–61. An economic survey of the commercial broiler industry. W. D. Termohlen, J. W. Kinghorne, E. L. Warren, and J. H. Radabaugh. 54 p. 1936.
G–62. Agricultural conservation: A national farm policy. [8] p. 1936.
G–63. Flue-cured tobacco, questions and answers. 8 p. 1937.
G–64. Cotton, questions and answers. 12 p. 1937.
G–65. Producer goals and consumer goals. Henry A. Wallace. [4] p. 1937.
G–66. Do we want to be farmers? An outline of information for use in 4–H Club discussion programs. 22 p. 1937.
G–67. Do we want to be farmers? An outline of information for use in future farmer discussion programs. 22 p. 1937. Revised 1937.
G–68. Wheat in the United States. 38 p. 1937.
G–69. Why United States wheat farmers and consumers need a stabilized wheat industry. [4 p.] 1937.
G–70. Agricultural stability and business stability. H. R. Tolley. [4] p. 1937.
G–71. Agricultural conservation 1936. A report of the activities of the Agricultural Adjustment Administration. H. R. Tolley. 200 p. 1937.
G–72. What about wheat in 1938? 8 p. 1937.
G–73. City pocketbooks and the farmer. 8 p. 1937.
G–74. Some facts about potatoes. [4] p. 1937.
G–75. Crop insurance for wheat. 8 p. 1937.
G–76. Farm solidarity. Henry A. Wallace. [8] p. 1937.
G–77. Agricultural conservation in 1938—Why? 14 p. 1937.
G–78. Charting the course for cotton. Henry A. Wallace. 8 p. 1937.
G–79. The dairyman's place in farm solidarity. Henry A. Wallace. [8] p. 1937.
G–80. The ever-normal granary: What can it do for the Corn Belt and the Nation? Henry A. Wallace. 8 p. 1937.
G–81. A national program for wheat. [8] p. 1937.
G–82. What is the cotton situation? 8 p. 1937.
G–83. The new farm act. A short summary of the provisions of the Agricultural Adjustment Act of 1938. 8 p. 1938.
G–84. Crop insurance for wheat growers. [4 p.] 1938.
G–85. Questions and answers about farm exports and farm imports. 13 p. 1938. Revised.
G–86. Agricultural adjustment 1937–38. A report of the activities carried on by the Agricultural Adjustment Administration. H. R. Tolley. 35 p. 1939.
G–87. Agricultural programs and the processing tax. Lawrence Myers. 10 p. 1938.
G–88. Farmers and the surplus problem. Henry A. Wallace. 16 p. 1938.
G–89. An American income for cotton. Henry A. Wallace. 16 p. 1938.
G–90. An American income for wheat. Henry A. Wallace. 13 p. 1938.
G–91. Participation under A. A. A. programs—1933–35. Mordecai Ezekiel. 36 p. 1938.
G–92. An American income for corn. Henry A. Wallace. 15 p. 1938.
G–93. The wheat problem and what the farmer can do about it through the A. A. A. farm program. 15 p. 1939.
G–94. The farmer's dollar "goes to town." Folder. 1939.
G–95. How agriculture, industry, labor, and government can work together for a $100,000,000 income. Henry A. Wallace. 12 p. 1939.
G–96. Agricultural adjustment 1938–1939. A report of the activities carried on by the Agricultural Adjustment Administration. R. M. Evans. 142 p. 1939.

G–98. Western grass. 15 p. [1940.]
G–99. Agricultural conservation programs aim at abundance, conservation, parity income. Folder. 1940.
G–100. More abundant wildlife through the AAA program. Folder. 1940.
G–101. The A. A. A. wheat program in operation. 4 p. 1940.
G–102. The AAA—what it is. 14 p. 1940.
G–104. Agricultural adjustment 1939–40. A report of the activities carried on by the Agricultural Adjustment Administration. R. M. Evans. 154 p. 1940.

NOTE.—Numbers omitted have not been issued. (December 31, 1940.)

PRODUCER-CONSUMER LEAFLETS

1. And so they meet. R. M. Evans. Folder. 1939.
2. The things we want. R. M. Evans. Folder. 1939.
3. On tired soil. R. M. Evans. Folder. 1939.
4. Two families—one farm. R. M. Evans. Folder. 1939.
5. To buy abundantly. R. M. Evans. Folder. 1939.
6. Plenty. R. M. Evans. Folder. 1939.
7. Between you and me. R. M. Evans. Folder. 1940.
8. None shall go hungry. R. M. Evans. Folder. 1940.
9. Grow your own. R. M. Evans. Folder. 1940.
10. The magic carpet. R. M. Evans. Folder. 1940.
11. The farm home and AAA. R. M. Evans. 1940.
12. Country life & AAA. R. M. Evans. Folder. 1939.

REGIONAL INFORMATION SERIES

EAST CENTRAL REGION

ECR Series

1. Questions and answers—1936 agricultural conservation program—East Central Region. 11 p. 1936.
2. The 1936 agricultural conservation program for the East Central Region. 4 p. 1936.
101–Del. Better-balanced farming for Delaware. [4] p. 1937.
101–Ky. Better-balanced farming for Kentucky. [4] p. 1937.
101–Md. Better-balanced farming for Maryland. [4] p. 1937.
101–N. C. Better-balanced farming for North Carolina. [4] p. 1937.
101–Tenn. Better-balanced farming for Tennessee. [4] p. 1937.
101–Va. Better-balanced farming for Virginia. [4] p. 1937.
101–W. Va. Better-balanced farming for West Virginia. [4] p. 1937.
202–Del. Balanced farming for Delaware—1938. [4] p. 1938.
202–Ky. Balanced farming for Kentucky—1938. 4 p. 1938.
202–Md. Balanced farming for Maryland—1938. 4 p. 1938.
202–N. C. Balanced farming for North Carolina—1938. 4 p. 1938.
101–Tenn. Better-balanced farming for Tennessee. [4] p. 137.
202–Va. Balanced farming for Virginia—1938. [4] p. 1938.
202–W. Va. Balanced farming for West Virginia—1938. 4 p. 1938.

NORTH CENTRAL REGION

NCR Series

1. The 1936 agricultural conservation program for the North Central Region. 19 p. 1936.
2. 1936 agricultural conservation program in brief—North Central Region. [4] p. 1936.
101. Better-balanced farming. [4] p. 1937.
102. Agricultural conservation—1937. [4] p. 1937.
103. Agricultural conservation—1937—for Nebraska and South Dakota. [4] p. 1937.
201. The 1938 farm program for Indiana, Illinois, Iowa, Missouri, Michigan, Minnesota, Ohio, and Wisconsin. [4] p. 1938.
202. The 1938 farm program for Nebraska and South Dakota. [4] p. 1938.
301. 1939 AAA farm program brings 1. Soil conservation. 2. Ever Normal Granary. 3. More stable income. [4] p. 1939.
401. Here's our farm program for 1940 for North Central Region. Folder. 1939.
501. Why you need a farm program in 1941. Folder. 1940.

NORTHEAST REGION

NER Series

1. Questions and answers—1936 agricultural conservation program—Northeast Region. 8 p. 1936.
2. 1936 agricultural conservation program in brief—Northeast Region. 4 p. 1936.
101. Brief outline of the program. 4 p. 1937.
102–Conn. Fourteen ways to conserve soil and qualify for payments in Connecticut. 9 p. 1937.
102–Me. Sixteen ways to conserve soil and qualify for payments in Maine. 10 p. 1937.
102–Mass. Eighteen ways to conserve soil and qualify for payments in Massachusetts. 10 p. 1937.
102–N. H. Fifteen ways to conserve soil and qualify for payments in New Hampshire. 7 p. 1937.
102–N. J. Sixteen ways to conserve soil and qualify for payments in New Jersey. 7 p. 1937.
102–N. Y. Twenty ways to conserve soil and qualify for payments in New York. 10 p. 1937.

102–Pa. Fourteen ways to conserve soil and quality for payments in Pennsylvania. 14 p. 1937.
102–R. I. Nine ways to conserve soil and qualify for payments in Rhode Island. 8 p. 1937.
102–Vt. Fourteen ways to conserve soil and qualify for payments in Vermont. 10 p. 1937.
201. The 1938 agricultural conservation program in the Northeast. 4 p. 1937.
203–Conn. Soil-building practices applicable in Connecticut. 5 p. 1937.
203–Me. Soil-building practices applicable in Maine. 7 p. 1938. Revised.
203–Mass. Soil-building practices applicable in Massachusetts. 6 p. 1938. Revised.
203–N. H. Soil-building practices applicable in New Hampshire. 6 p. 1938.
203–N. J. Soil-building practices applicable in New Jersey. 5 p. 1938.
203–N. Y. Soil-building practices applicable in New York. 8 p. 1938.
203–Pa. Soil-building practices applicable in Pennsylvania. 7 p. 1938.
203–R. I. Soil-building practices applicable in Rhode Island. 7 p. 1938.
203–Vt. Soil-building practices applicable in Vermont. 8 p. 1938.
213. Summary of the 1938 A. A. A. farm program—Northeast Region. 4 p. 1938. Revised 1938.
306. The 1939 wheat program in the Northeast Region. 4 p. 1938.
310–Conn. Outline of the 1939 agricultural conservation program in Connecticut. 7 p. 1939.
310–Maine. Outline of the 1939 agricultural conservation program in Maine. 8 p. 1939.
310–Mass. Outline of the 1939 agricultural conservation program in Massachusetts. 7 p. 1939.
310–N. H. Outline of the 1939 agricultural conservation program in New Hampshire. 7 p. 1939.
310–N. J. Outline of the 1939 agricultural conservation program in New Jersey. 7 p. 1939.
310–N. Y. Outline of the 1939 agricultural conservation program in New York. 8 p. 1939.
310–Pa. Outline of the 1939 agricultural conservation program in Pennsylvania. 8 p. 1939.
310–R. I. Outline of the 1939 agricultural conservation program in Rhode Island. 8 p. 1939.
310–Vt. Outline of the 1939 agricultural conservation program in Vermont. 6 p. 1939.
326. Cigar-tobacco adjustment through the A. A. A. 4 p. 1939.
410–Conn. Here's the 1940 agricultural conservation program for Connecticut. 12 p. 1939.
410–Maine. Here's the 1940 agricultural conservation program for Maine. 12 p. 1939.
410–Mass. Here's the 1940 agricultural conservation program for Massachusetts. 14 p. 1939.
410–N. H. Here's the 1940 agricultural conservation program for New Hampshire. 12 p. 1939.
410–N. J. Here's the 1940 agricultural conservation program for New Jersey. 12 p. 1939.
410–N. Y. Here's the 1940 agricultural conservation program for New York. 15 p. 1939.
410–Pa. Here's the 1940 agricultural conservation program for Pennsylvania. 16 p. 1939.
410–R. I. Here's the 1940 agricultural conservation program for Rhode Island. 11 p. 1939.
410–Vt. Here's the 1940 agricultural conservation program for Vermont. 11 p. 1939.

SOUTHERN REGION

SR Series

1. Questions and answers concerning the 1939 agricultural conservation program for the Southern Region. 11 p. 1936. Revised.
2. 1936 agricultural conservation program in brief for the Southern Region. [4] p. 1936
101. Better-balanced farming for the South. 7 p. 1937.
102. Better-balanced farming for the Oklahoma and Texas wheat and grain-sorghum area. 11 p. 1937.
151. Better range land for Texas and Oklahoma. 4 p. 1937.
201. How the A. A. A. farm program will operate in 1938. 8 p. 1938.
202. How the A. A. A. farm program will operate in 1938. 15 p. 1938.
203. Better farming in the Southeastern States through the 1938 A. A. A. program. 7 p. 1938.
251. Improvement and conservation of Oklahoma and Texas range lands. 8 p. 1938.
301–A. How the A. A. A. farm program works. Area A. 11 p. 1939.
301–B. How the 1939 A. A. A. farm program works. Area B. 8 p. 1939.
351. The A. A. A. range conservation program for 1939. 12 p. 1939.

SRAC Series

1. Effects of summer soil-conserving crops on yields of other crops. 64 p. 1936.
2. Effects of winter soil-conserving crops. 54 p. 1936.
3. Summary of effects of legumes on yields of cotton and corn in the Southern Region and nearby States. 9 p. 1937.
4. A guide for use of some charts relating to some of the problems of the South. 31 p. 1938.
5. Permanent pastures. 64 p. 1938.
6. Conserving soil through the farm program (questions and answers). 9 p. 1939.
7. Feeding farm folks through the farm's own program (questions and answers). 8 p. 1939.
8. Helping farm families help themselves. 15 p. [1940.]
9. Increasing national income through the A. A. A. farm program (questions and answers). 8 p. 1940.

SRM Series

235. A program for cotton. [4 p.] 1938.
428. Cotton, land, and people. 11 p. 1940.

WESTERN REGION

WR Series

1. The 1936 agricultural conservation program in brief—Western Region. [4] p. 1936.
2. Better-balanced farming for the West. [4] p. 1937.
102–Ariz. Agricultural conservation in Arizona: Principal features, approved soil-building practices, and rates of payment. [8] p. 1937.
102–Calif. Agricultural conservation in California: Principal features, approved soil-building practices, and rates of payment. 12 p. 1937.
102–Colo. Agricultural conservation in Colorado: Principal features, approved soil-building practices, and rates of payment. [8] p. 1937.
102–Idaho. Agricultural conservation in Idaho: Principal features, approved soil-building practices, and rates of payment. 8 p. 1937.
102–Kans. Agricultural conservation in Kansas: Principal features, approved soil-building practices, and rates of payment. 8 p. 1937.
102–Mont. Agricultural conservation in Montana: Principal features, approved soil-building practices, and rates of payment. 8 p. 1937.
102–Nev. Agricultural conservation in Nevada: Principal features, approved soil-building practices, and rates of payment. 8 p. 1937.
102–N. Mex. Agricultural conservation in New Mexico: Principal features, approved soil-building practices, and rates of payment. [8] p. 1937.
102–N. Dak. Agricultural conservation in North Dakota: Principal features, approved soil-building practices, and rates of payment. 8 p. 1937.
102–Oreg. Agricultural conservation in Oregon: Principal features, approved soil-building practices, and rates of payment. [8] p. 1937.
102–Utah. Agricultural conservation in Utah: Principal features, approved soil-building practices, and rates of payment. [8] p. 1937.
102–Wash. Agricultural conservation in Washington: Principal features, approved soil-building practices, and rates of payment. [8] p. 1937.
102–Wyo. Agricultural conservation in Wyoming: Principal features, approved soil-building practices, and rates of payment. [8] p. 1937.
103. Conservation of the western range. 11 p. 1937.
104. AAA conservation guide for women. 27 p. 1937.
201. The 1938 A. A. A. farm program—Western Region. [4] p. 1938.
202. The 1938 range conservation program—Western Region. 4 p. 1938.
301. Give the range a chance. [Folder.] 1939.

STATISTICAL PUBLICATIONS

1 California fruit and nut acreage survey 1936. R. E. Blair, W. R. Schreiber, and C. N. Guellow. In cooperation with Bureau of Agricultural Economics, The Works Progress Administration, and The California Department of Agriculture. 176 p. 1938.
2. Cotton handbook with related data. 46 p. 1939.

UNNUMBERED PUBLICATIONS

Digest of the rural-urban women's conversations held on the invitation of the Secretary of Agriculture, Washington, D. C., April 13, 14, 1939. 40 p. 1940.

CONSUMERS COUNSEL DIVISION

CONSUMERS' GUIDE [4]

Vol. 3, No. 3 to Vol. 6, No. 10. January 27, 1936 to November 1, 1939.

DIVISION OF MARKETING AND MARKETING AGREEMENTS [5]

MARKETING INFORMATION SERIES

DAIRY SECTION—CIRCULARS

1. A survey of milk marketing in Milwaukee. 119 p. 1937.
2. Some problems involved in establishing milk prices. 227 p. 1937.
3. Stability in milk markets. [13] p. 1938.
4. The regulation of milk marketing in England and Wales. 75 p. 1938.
5. Municipal milk distribution in Tarboro, North Carolina. 30 p. 1938.
6. New York milk. Explanation of the Federal-State marketing plan contained in Order No. 27. 13 p. 1938.
7. Questions and answers on the Federal-State milk program for New York. 4 p. 1938.
8. The Federal-State program for the New York milk market. 16 p. 1938.

GENERAL CROPS SECTION—CIRCULARS

1. The southeastern watermelon marketing agreement program. Questions and answers. 9 p. 1937.
2. Proposed potato marketing agreement program. Questions and answers. [4] p. 1937.
3. Marketing agreements for fruits and vegetables. 8 p. [1938.]
4. Some problems in marketing tomatoes grown in the Lower Rio Grande Valley of Texas. 12 p. 1938.
5. Recent changes in the Florida citrus industry. 42 p. 1938.
6. Major economic trends in the dry edible bean industry. Reed K. Pond. 23 p. 1938.

MISCELLANEOUS CIRCULARS

1. Agricultural marketing programs. 10 p. 1937.
2. Stopping waste in farm surpluses. 10 p. 1938.

---

[4] For later issues *see* Office of the Secretary. Office of the Director of Marketing to which this Division was transferred February 1, 1940.

[5] Made a part of Surplus Marketing Administration June 30, 1940.

POULTRY SECTION—CIRCULARS

1. The egg-drying industry in the United States. W. D. Termohlen, E. L. Warren, and C. C. Warren. 80 p. 1938.
2. Chick hatchery survey, 1937–38. W. D. Termohlen, C. C. Warren, and G. G. Lamson. 27 p. 1940.

BUREAU OF AGRICULTURAL CHEMISTRY AND ENGINEERING [6]

REPORT OF THE CHIEF

1939. Henry G. Knight. 98 p. 1939.
1940. Henry G. Knight. 86 p. 1940.

BUREAU OF AGRICULTURAL ECONOMICS

REPORT OF THE CHIEF

1936. A. G. Black. 22 p. 1936.
1937. A. G. Black. 21 p. 1937.
1938. A. G. Black. 36 p. 1938.
1939. Howard R. Tolley. 40 p. 1939.
1940. Howard R. Tolley. 100 p. 1940.

AGRICULTURAL SITUATION

Vol. 20, No. 1 to Vol. 24, No. 12. January 1, 1936 to December 1, 1940. Monthly.

CROPS AND MARKETS

Vol. 13, No. 1 to Vol. 17, No. 12. January 1936 to December 1940. Monthly.

LAND POLICY REVIEW

Vol. 1, No. 1 to Vol. 3, No. 8. May–June 1938 to December 1940.

COUNTY PLANNING SERIES

1. County land use planning. In cooperation with the Extension Service, the Farm Security Administration, the Soil Conservation Service, and the Agricultural Adjustment Administration. 12 p. 1940.
2. Membership of land use planning committees. In cooperation with the Extension Service. 8 p. 1940.
3. The land use planning organization. In cooperation with the Extension Service and the Soil Conservation Service. 8 p. 1940.
4. The scope of land use planning. In cooperation with the Extension Service, the Agricultural Adjustment Administration, the Farm Security Administration, the Farm Credit Administration, the Forest Service, and the Soil Conservation Service, United States Department of Agriculture, and the Public Roads Administration, Federal Works Agency. 7 p. 1940.
5. Pooling ideas in land use planning. In cooperation with the Extension Service. 8 p. 1940.
6. Communities and neighborhoods in land use planning. In cooperation with the Extension Service. 7 p. 1940.
7. Rural zoning and land use planning. In cooperation with the Extension Service, the Soil Conservation Service, and the Farm Security Administration. 10 p. 1940.
8. Planning committees cooperate with local governments. In cooperation with the Extension Service, United States Department of Agriculture, and the Public Roads Administration, Federal Works Agency. 11 p. 1940.

SERVICE AND REGULATORY ANNOUNCEMENTS

149. Rules and regulations of the Secretary of Agriculture under the Tobacco Inspection Act [of August 23, 1935]. 9 p. 1936.
150. Revision of standards for grades of American upland cotton. 10 p. 1936.
151. United States standards for potatoes. 4 p. 1936.
152. Regulations of the Secretary of Agriculture under the United States Cotton Futures Act. 22 p. 1936.
153. Regulations of the Secretary of Agriculture under the United States Cotton Standards Act. 26 p. 1936.
154. United States standards for apples. 8 p. 1937.

UNNUMBERED PUBLICATIONS

Handbook of official hay standards including straw standards. 62 p. Revised effective April 1, 1936. 1936.
Apple recipes. 8 p. Folder. 1937.
Better land use. A program of action. [4] p. 1937.
Clemson College land utilization project. [7] p. 1938.
Revised tentative United States standards for quality of creamery butter. Effective April 1, 1938. 33 p. 1938.

[6] Preceded by Bureau of Agricultural Engineering and the Bureau of Chemistry and Soils which combined to form this new Bureau July 1, 1939.

Southeastern Idaho land utilization project. [4] p. 1938.
The Allegan land utilization project. [6] p. 1938.
The Bean Blossom land utilization project. [5] p. 1938.
The Boston Mountain land use project. [4] p. 1938.
The Central Oregon land utilization project. [3] p. 1938.
The Dixon Springs land utilization project. [4] p. 1938.
The land utilization program for the northern Great Plains. 15 p. 1938.
The Magazine Mountain land use project. [4] p. 1938.
The Natchez Trace land use project. [4] p. 1938.
The northeast Mississippi land use project. [7] p. 1938.
The northwest Arkansas land use project. [7] p. 1938.
Barriers to internal trade in farm products. George R. Taylor, Edgar L. Burtis, Frederick V. Waugh. 104 p. 1939.
Rural zoning and your county. [14] p. 1939.
Economic analysis of the food-stamp plan. Norman Leon Gold, A. C. Hoffman, and Frederick V. Waugh. 98 p. 1940.
If the well runs dry. Howe Bancroft. 8 p. 1940.
Land use planning under way. In cooperation with the Extension Service, Farm Security Administration, Soil Conservation Service, Agricultural Adjustment Administration, and Forest Service. 48 p. 1940.
Technology on the farm. An interbureau committee and the Bureau of Agricultural Economics. 224 p. 1940.
The wholesale fruit and vegetable markets of New York City. William C. Crow and W. T. Calhoun, Bureau of Agricultural Economics, and J. W. Park, Agricultural Marketing Service. 123 p. 1940.

BUREAU OF AGRICULTURAL ECONOMICS AND EXTENSION SERVICE

BAE–EXT FLIERS

1. Your county's land use planning committee is at work for you. Folder. [1940.]

DS SERIES

1–18. Issued by the Extension Service and the Agricultural Adjustment Administration cooperating.
19. Getting at the facts about agriculture: Program building. 35 p. 1940.

BUREAU OF AGRICULTURAL ENGINEERING[7]

REPORT OF THE CHIEF

1936. S. H. McCrory. 24 p. 1936.
1937. S. H. McCrory. 24 p. 1937.
1938. S. H. McCrory. 26 p. 1938.

AGRICULTURAL MARKETING SERVICE

REPORT OF THE CHIEF

1939. C. W. Kitchen. 31 p. 1939.
1940. C. W. Kitchen. 45 p. 1940.

SERVICE AND REGULATORY ANNOUNCEMENTS

154 and earlier issued by Bureau of Agricultural Economics.
155. Rules and regulations (as amended) of the Secretary of Agriculture governing the grading and certification of canned fruits and vegetables. 10 p. 1939.
156. Rules and regulations under the Federal Seed Act. 41 p. 1940.[8]
157. Regulations for warehousemen storing sirups. Approved December 11, 1939. 19 p. 1940.
158. Regulations for warehousemen storing broomcorn. 20 p. 1940.
159. Regulations for warehousemen storing cold-pack fruit. Approved July 2, 1940. Amended September 20, 1940. 20 p. 1940.

UNNUMBERED PUBLICATIONS

Cotton classing and market news services for organized groups of growers. Folder. 1940.
Handbook for cotton classers. 53 p. 1940.
Handbook of official United States standards for quality of creamery butter. Effective April 1, 1939. 29 p. 1940.

---

[7] Combined with Bureau of Chemistry and Soils to form Bureau of Agricultural Chemistry and Engineering, July 1, 1939.
[8] *See* Bureau of Plant Industry, Service and Regulatory Announcements Nos. 23 and 24 for previous years.

BUREAU OF ANIMAL INDUSTRY

REPORT OF THE CHIEF

1936. J. R. Mohler. 60 p. 1936.
1937. J. R. Mohler. 64 p. 1937.
1938. J. R. Mohler. 85 p. 1938.
1939. J. R. Mohler. 82 p. 1939.
1940. J. R. Mohler. 90 p. 1940.

A. I. SERIES

39. Cook pork and its products thoroughly. 4 p. 1936.

ORDERS

360. To prevent the spread of splenetic or tick fever in cattle. Rule 1, Revision 35. Effective on and after December 1, 1936. 1 p. 1936.
361. Order regulating the handling of anti-hog-cholera serum and hog-cholera virus and approved marketing agreement for handlers of anti-hog-chlorera serum and hog-cholera virus. Effective December 7, 1936. 28 p. 1937.
362. Mimeographed.
363. To prevent the spread of splenetic or tick fever in cattle. Rule 1, Revision 36. Effective on and after December 1, 1937. 2 p. 1938.
364. Packers and Stockyards Act, 1921. As amended, 1926 and 1935. 19 p. 1938.
365. Regulations governing the recognition of breeds and books of record of purebred animals. Effective on and after July 15, 1938. 8 p. 1938.
366. Order to prevent the introduction into the United States of rinderpest and foot-and-mouth disease. Effective on June 1, 1938. 2 p. 1938.
367. Regulations governing the appraisement of and compensation for tuberculous, paratuberculous and Bang's disease reacting cattle condemned and destroyed in the control and eradication of tuberculosis, paratuberculosis, and Bang's disease of animals. Effective on and after July 1, 1938. 3 p. 1938.
368. Regulations governing the inspection and quarantine of livestock imported from or exported to Mexico. Effective on and after January 16, 1939. 6 p. 1938.
369. Regulations relating to the control of the interstate transportation of animals and poultry to prevent the spread of contagious or infectious diseases. Effective on and after December 1, 1938. 2 p. 1938.
370. Order to prevent the introduction into the United States of rinderpest and foot-and-mouth disease. Effective on June 16, 1939. 3 p. 1939.
371. Sanitary control of animal byproducts (except casings), and hay and straw offered for entry into the United States. Effective on February 1, 1940. 10 p. 1939.
372. To prevent the spread of splenetic or tick fever in cattle. Rule 1, Revision 38. Effective on and after December 15, 1939. 4 p. 1939.
373. Order to prevent the introduction into the United States of rinderpest and foot-and-mouth disease. Effective October 26, 1940. 3 p. 1940.
374. To prevent the spread of splenetic or tick fever in cattle. Rule 1, Revision 39. 4 p. 1940.

SERVICE AND REGULATORY ANNOUNCEMENTS

Nos. 344 to 404. January 1936–December 1940. Monthly. Annual index.

UNNUMBERED PUBLICATIONS

Directory of the Bureau of Animal Industry. Corrected to May 1, 1936. 67 p. 1936; rev. July 1, 1937. 76 p. 1937; rev. July 1, 1938. 76 p. 1938; rev. July 1, 1939. 61 p. 1939; rev. July 1, 1940. 61 p. 1940.
Index-catalouge of medical and veterinary zoology. Part 2. Authors; B to Bychkov. Albert Hassall, Margie Potter, Mildred A. Doss, Marion M. Farr, and Gertrude B. Carson. Pp. 143–612. 1938.
—— Part 3. Authors: C to Czygan. Albert Hassall, Mildred A. Doss, Marion M. Farr, Gertrude B. Carson, and Dorothy Bero. Pp. 613–961. 1939.
—— Part 4. Authors: D to Dzunkovski. Albert Hassall, Mildred A. Doss, Ruth M. Taylor, Gertrude B. Carson, and Dorothy Bero. Pp. 963–1176. 1940.

BUREAU OF BIOLOGICAL SURVEY[9]

REPORT OF THE CHIEF

1936. Ira N. Gabrielson. 68 p. 1936
1937. Ira N. Gabrielson. 63 p. 1937.
1938. Ira N. Gabrielson. 68 p. 1938.
1939. Ira N. Gabrielson. 75 p. 1939.

ALASKA GAME COMMISSION CIRCULARS

12. Sup. 1. Amendment of regulations 4, 18, and 19 of the regulations respecting game animals, land fur-bearing animals, game birds, nongame birds, and nests and eggs of birds in Alaska. M. L. Wilson. 3 p. 1936.
13. Regulations relating to game, land fur animals, and birds in Alaska. 1936–37. 32 p. 1936.

[9] Transferred to the Department of the Interior, July 1, 1939.

14. Regulations relating to game, land fur animals, and birds in Alaska. 1937–38. 32 p. 1937.
15. Regulations relating to game, land fur animals, and birds in Alaska. 1938–39. 32 p. 1938.
16. Federal laws relating to wildlife in Alaska. 12 p. 1938.
17. Regulations relating to game, land fur animals, and birds in Alaska. 1939-40. 34 p. 1939.

NORTH AMERICAN FAUNA

55. The mammals and life zones of Oregon. Vernon Bailey. 416 p. 1936.
56. Revision of the North American ground squirrels, with a classification of the North American Sciuridae. Arthur H. Howell. 256 p. 1938.

SERVICE AND REGULATORY ANNOUNCEMENTS

84. Migratory Bird Treaty Act regulations: 1936. 9 p. 1936.
85. Laws and regulations for the administration of the Wichita Mountains Wildlife Refuge, Oklahoma. 11 p. 1937.
86. Laws and joint regulations of the Secretaries of the Interior and Agriculture relating to the protection and administration of game ranges, or wildlife refuges, established in conjunction with the organization of grazing districts under the Taylor Grazing Act. 5 p. 1937.
87. Text of Federal laws relating to the protection of wildlife. 28 p. 1937.
88. Regulations relating to migratory birds and certain game mammals: 1937. 10 p. 1937.
89. Supplementary regulations for the administration of the Okefenokee Wildlife Refuge, Georgia. 3 p. 1937.
90. Laws and regulations for the administration of national wildlife refuges. 10 p. 1938.
91. Regulations for carrying out the Federal Aid to Wildlife Restoration Act and text of the law. 6 p. 1938.
92. Regulations relating to migratory birds and certain game mammals: 1938. 12 p. 1938.

BUREAU OF CHEMISTRY AND SOILS [10]

REPORT OF THE CHIEF

1936. Henry G. Knight. 50 p. 1936.
1937. Henry G. Knight. 54 p. 1937.
1938. Henry G. Knight. 55 p. 1938.

DIVISION OF SOIL SURVEY [11]

SOIL SURVEY REPORTS (BY SERIES)

1930

39. Soil survey of Montmorency County, Michigan. J. O. Veatch, L. R. Schoenmann, G. E. Millar, and A. E. Shearin. 43 p. 1936.
40. Soil survey of Brown County, Ohio. Earl D. Fowler and T. C. Green. 55 p. 1936.
41. Soil survey of Putnam County, Ohio. Arthur E. Taylor, J. G. Steele, and W. S. Mozier. 35 p. 1936.
42. Soil survey of Mobile County, Alabama. B. H. Williams, G. A. Swenson, M. J. Edwards, A. L. Gray, J. F. Stroud, M. E. Stephens, Malcolm Croft, L. G. Brackeen, and M. E. Swann. 47 p. 1936.
43. Soil survey (reconnaissance) of Vermont. W. J. Latimer, S. O. Perkins, F. R. Lesh, L. R. Smith, and K. V. Goodman. 80 p. 1937.
44. Soil survey of Rush County, Indiana. C. S. Simmons, D. R. Kunkel, and H. P. Ulrich. 36 p. 1937.
45. Soil survey of Dubois County, Indiana. C. S. Simmons, R. T. Avon Burke, T. M. Bushnell, J. E. Adams, and H. P. Ulrich. 39 p. 1937.
46. Soil survey of Iron County, Michigan. Z. C. Foster, J. O. Veatch, and L. R. Schoenmann. 29 p. 1937.
47. Soil survey of Pike County, Indiana. H. P. Ulrich, T. M. Bushnell, D. R. Kunkel, J. T. Miller, and E. G. Fitzpatrick. 68 p. 1938.
48. Soil survey of Licking County, Ohio. Robert Wildermuth, W. D. Lee, A. H. Paschall, and J. G. Steele. 57 p. 1938.

1931

11. Soil survey of Randolph County, West Virginia. B. H. Williams and H. M. Fridley. 32 p. 1936.
15. Soil survey of Le Flore County, Oklahoma. E. W. Knobel, C. B. Boatright, and W. C. Boatright. 38 p. 1936.
16. Soil survey of the Gallatin Valley area, Montana. William DeYoung and L. H. Smith. 36 p. 1936.
17. Soil survey of Dillon County, South Carolina. W. J. Geib, W. J. Latimer, F. R. Lesh, and A. E. Shearin. 54 p. 1936.
18. Soil survey of Randolph County, Indiana. W. H. Buckhannan, M. E. Waggoner, F. E. Barnes, and W. J. B. Boatman. 36 p. 1936.
19. Soil survey of Tucson area, Arizona. F. O. Youngs, A. T. Sweet, A. T. Strahorn, T. W. Glassey, and E. N. Poulson. 60 p. 1936.

---

[10] Combined with Bureau of Agricultural Engineering to form Bureau of Agricultural Chemistry and Engineering, July 1, 1939.
[11] This Division was transferred to the Bureau of Plant Industry, October 16, 1938.

20. Soil survey of Oscoda County, Michigan. J. O. Veatch, L. R. Schoenmann, C. E. Millar, and A. E. Shearin. 42 p. 1936.
21. Soil survey of Franklin County, North Carolina. W. A. Davis, E. F. Goldston, and C. H. Wonser. 24 p. 1936.
22. Soil survey of Livingston Parish, Louisiana. A. C. Anderson, E. B. Deeter, S. Rankin Bacon, W. H. Buckhannan, C. S. Simmons, K. V. Goodman, R. R. Finley, and B. H. Hendrickson. 35 p. 1936.
23. Soil survey of the Alturas area, California. E. J. Carpenter and R. Earl Storie. 54 p. 1936.
24. Soil survey of Craig County, Oklahoma. A. C. Anderson, A. W. Goke, O. H. Brensing, R. E. Penn, and C. B. Boatright. 41 p. 1936.
25. Soil survey of Fayette County, Kentucky. Howard Wm. Higbee and K. S. Venable. 45 p. 1936.
26. Soil survey of Lauderdale County, Alabama. A. L. Gray, W. E. Tharp, M. E. Stephens, and L. G. Brackeen. 43 p. 1936.
27. Soil survey of Indiana County, Pennsylvania. R. T. Avon Burke, C. S. Simmons, J. L. Hosterman, Richard Marshall, and C. H. Atkinson. 52 p. 1936.
28. Soil survey of McDuffie County, Georgia. G. L. Fuller and A. H. Hasty. 47 p. 1937.
29. Soil survey of Pittsburg County, Oklahoma. M. H. Layton, M. E. Carr, and C. B. Boatright. 28 p. 1937.

1932

6. Soil survey of Nansemond County, Virginia. R. E. Devereux, Edward Shulkcum, and G. W. Patteson. 39 p. 1936.
7. Soil survey of Falls County, Texas. M. W. Beck. 40 p. 1936.
8. Soil survey of Washington County, North Carolina. W. A. Davis and K. V. Goodman. 25 p. 1936.
9. Soil survey of Hardeman County, Texas. E. H. Templin and T. W. Glassey. 38 p. 1936.
10. Soil survey of Wheeler County, Texas. A. H. Bean, T. C. Reitch, and Z. C. Foster. 34 p. 1936.
11. Soil survey of Broome County, New York. Clarence Lounsbury, A. H. Hasty, D. F. Kinsman, and J. H. Baran. 40 p. 1936.
12. Soil survey of Winston County, Alabama. M. E. Swann, M. E. Stevens, M. C. Croft, and W. E. Tharp. 31 p. 1937.
13. Soil survey of Augusta County, Virginia. R. C. Jurney, R. E. Devereux, G. W. Patteson, and Edward Shulkcum. 46 p. 1937.
14. Soil survey of the Lodi area, California. Stanley W. Cosby and E. J. Carpenter. 52 p. 1937.
15. Soil survey of Rensselaer County, New York. W. J. Latimer, C. H. Diebold, Wilber Secor, C. P. Mead, and Montague Howard, Jr. 70 p. 1937.
16. Soil survey of Rock County, Nebraska. W. D. Lee, F. A. Hayes, S. R. Bacon, and R. L. Gemmell. 40 p. 1937.
17. Soil survey of Brunswick County, North Carolina. S. O. Perkins and E. F. Goldston. 40 p. 1937.
18. Soil survey of Abbeville County, South Carolina. F. R. Lesh, W. J. Geib, A. E. Shearin, C. H. Wonser, and W. D. Lee. 36 p. 1937.
19. Soil survey of Mayes County, Oklahoma. M. H. Layton and O. H. Brensing. 38 p. 1937.
20. Soil survey of Surry County, North Carolina. W. A. Davis and E. F. Goldston. 31 p. 1937.
21. Soil survey of Greer County, Oklahoma. A. W. Goke and R. E. Penn. 34 p. 1937.
22. Soil survey of Dallas County, Alabama. W. J. Moran, W. E. Tharp, W. J. Leighty, A. L. Gray, L. G. Bracken, M. E. Stephens, and M. E. Swann. 54 p. 1938.
23. Soil survey of Franklin County, Iowa. T. H. Benton and F. R. Lesh. 55 p. 1938.
24. Soil survey of Kingman County, Kansas. E. W. Knobel, R. O. Lewis, and C. E. Dornberger. 35 p. 1938.
25. Soil survey of Wayne County, Pennsylvania. C. S. Simmons, C. H. Atkinson, and L. A. Brown. 31 p. 1938.
26. Soil survey of Wilcox County, Alabama. G. A. Swenson, M. J. Edwards, B. H. Williams, A. L. Gray, W. J. Leighty, M. E. Stephens, M. C. Croft, and L. G. Brackeen. 60 p. 1938.
27. Soil survey of Holt County, Nebraska. W. J. Moran, F. A. Hayes, W. D. Lee, S. Rankin Bacon, Basil Abaskin, R. L. Gemmell, and R. H. Lovald. 38 p. 1938.
28. Soil survey of Woodward County, Oklahoma. E. G. Fitzpatrick and W. C. Boatright. 42 p. 1938.
29. Soil survey of Adams County, Ohio. Arthur E. Taylor, J. T. Miller, W. E. Tharp, Earl D. Fowler, T. C. Green, and G. W. Conrey. 64 p. 1938.
30. Soil survey of Bee County, Texas. Howard M. Smith and R. M. Marshall. 34 p. 1938.
31. Soil survey of Franklin County, Pennsylvania. Howard William Higbee, R. R. Finley, R. S. Long, and J. C. Bryant. 92 p. 1938.
32. Soil survey of Athens County, Ohio. A. H. Paschall, J. G. Steele, F. G. Loughry, and G. W. Conrey. 39 p. 1938.
33. Soil survey of Sheridan County, Wyoming. James Tharp, T. W. Glassey, T. J. Dunnewald, and B. L. Parsons. 48 p. 1939.
34. Soil survey of Orleans County, New York. Robert Wildermuth, Arthur E. Taylor, H. R. Adams, John Lamb, Jr., and D. G. Greenleaf. 102 p. 1939.
35. Soil survey of Armstrong County, Pennsylvania. R. T. Avon Burke, S. O. Perkins, L. J. Yohn, O. C. Lewis, C. H. Atkinson, and L. A. Brown. 40 p. 1939.
36. Soil survey of Washington County, Indiana. John T. Miller, Howard Wm. Higbee, A. T. Wiancko, and M. E. Waggoner. 65 p. 1939.
37. Soil survey of Schoolcraft County, Michigan. Z. C. Foster, J. O. Veatch, L. R. Schoenmann, R. E. Pasco, E. H. Hubbard, and R. L. Donahue. 42 p. 1939.
38. Soil survey of the lower Yellowstone Valley area, Montana. William DeYoung, F. K. Nunns, and L. H. Smith. 35 p. 1939.
39. Soil survey of Marion County, Iowa. C. L. Orrben and W. J. Leighty. 43 p. 1939.

1933

1. Soil survey of Lee County, North Carolina. S. O. Perkins and E. F. Goldston. 42 p. 1936.
2. Soil survey of the Roswell area, New Mexico. W. G. Harper. 34 p. 1936.
3. Soil survey of Cass County, Texas. M. W. Beck, Howard William Higbee, and R. M. Marshall. 30 p. 1937.
4. Soil survey of Greeley County, Nebraska. S. R. Bacon, F. A. Hayes, and E. A. Nieschmidt. 36 p. 1937.
5. Soil survey of Wheeler County, Nebraska. Basil Abaskin and F. A. Hayes. 35 p. 1937.
6. Soil survey of Southampton County, Virginia. R. E. Devereux and Edward Shulkcum. 37 p. 1937.
7. Soil survey of Chatham County, North Carolina. R. C. Jurney, J. T. Miller, and S. Rankin Bacon. 48 p. 1937.
8. Soil survey of the Barstow area, California. R. Earl Storie and D. F. Trussell. 46 p. 1937.
9. Soil survey of Keya Paha County, Nebraska. W. D. Lee, F. A. Hayes, S. R. Bacon, and R. H. Lovald. 42 p. 1937.
10. Soil survey of Boyd County, Nebraska. W. J. Moran, F. A. Hayes, and R. H. Lovald. 44 p. 1937.
11. Soil survey of McIntosh County, Oklahoma. E. W. Knobel and O. H. Brensing. 45 p. 1938.
12. Soil survey of Oceana County, Michigan. C. H. Wonser, J. O. Veatch, and L. R. Jones. 47 p. 1938.
13. Soil survey of the Napa area, California. E. J. Carpenter and Stanley W. Cosby. 76 p. 1938.
14. Soil survey of Pocahontas County, West Virginia. B. H. Williams and H. M. Fridley. 48 p. 1938.
15. Soil survey of the upper Gila Valley area, Arizona. E. N. Poulson and F. O. Youngs. 41 p. 1938.
16. Soil survey of Wyoming County, New York. C. S. Pearson, D. G. Greenleaf, H. R. Adams, and Winston Neely. 45 p. 1938.
17. Soil survey of Monroe County, New York. A. T. Sweet, W. J. Latimer, C. S. Pearson, C. H. Diebold, W. W. Rietz, C. P. Mead, Wilber Secor, and Montague Howard, Jr. 67 p. 1938.
18. Soil survey of Carter County, Oklahoma. E. G. Fitzpatrick and W. C. Boatwright. 33 p. 1938.
19. Soil survey of Saginaw County, Michigan. J. W. Moon, J. O. Veatch, R. E. Pasco, E. H. Hubbard, and R. L. Donahue. 53 p. 1938.
20. Soil survey of Brown County, Nebraska. E. A. Nieschmidt, F. A. Hayes, and S. R. Bacon. 49 p. 1938.
21. Soil survey of Vinton County, Ohio. A. H. Paschall, J. G. Steele, F. G. Loughry, and G. W. Conrey. 28 p. 1938.
22. Soil survey of Colbert County, Alabama. L. G. Brackeen and A. L. Gray. 45 p. 1939.
23. Soil survey of Alfalfa County, Oklahoma. A. W. Goke, C. A. Hollopeter, and R. E. Penn. 43 p. 1939.
24. Soil survey of Decatur County, Georgia. A. H. Hasty, Earl D. Fowler, R. T. Avon Burke, W. H. Buchanan, Z. C. Foster, and G. L. Fuller. 44 p. 1939.
25. Soil survey (reconnaissance) of the Red River Valley area, Minnesota. C. C. Nikiforoff, A. H. Hasty, G. A. Swenson, A. L. Gray, E. A. Fieger, Sam Hill, H. C. Newman, C. H. Mattson, J. C. Hide, and Eric Kneen. 98 p. 1939.
26. Soil survey of Contra Costa County, California. E. J. Carpenter and S. W. Cosby. 83 p. 1939.
27. Soil survey of Kanabec County, Minnesota. P. R. McMiller, Iver Nygard, Sam Hill, A. E. Shearin, and C. S. Simmons. 43 p. 1939.
28. Soil survey of Johnson County, Wyoming. T. J. Dunnewald, Orel Tikkaner, and Wesley Roath. 34 p. 1939.
29. Soil survey of Logan County, Ohio. John T. Miller, Arthur E. Taylor, and W. E. Tharp. 48 p. 1939.
30. Soil survey of Ida County, Iowa. T. H. Benton and W. J. Geib. 32 p. 1939.

1934

1. Soil survey of Loup County, Nebraska. Basil Abaskin and F. A. Hayes. 34 p. 1937.
2. Soil survey of Pamlico County, North Carolina. John T. Miller and Arthur E. Taylor. 29 p. 1937.
3. Soil survey of Garfield County, Nebraska. Basil Abaskin, E. A. Nieschmidt, R. H. Lovald, and F. A. Hayes. 38 p. 1938.
4. Soil survey of Jones County, North Carolina. W. A. Davis, K. V. Goodman, and Z. C. Foster. 27 p. 1938.
5. Soil survey of Halifax County, Virginia. R. C. Jurney, S. O. Perkins, R. E. Devereux, S. S. Obenshain, Edward Shulkcum, and G. W. Patteson. 56 p. 1938.
6. Soil survey of Marion County, Mississippi. J. W. Moon, Clarence Lounsbury, Robert Wildermuth, C. S. Simmons, Arthur E. Taylor, and Z. C. Foster. 40 p. 1938.
7. Soil survey of Onondaga County, New York. W. J. Latimer, Montague Howard, Jr., George Gibbs, Warren Huff, and C. S. Pearson. 78 p. 1938.
8. Soil survey of Gosper County, Nebraska. W. J. Moran. 27 p. 1938.
9. Soil survey of Kent and Washington Counties, Rhode Island. R. C. Roberts, H. C. Knoblauch, S. V. Madison, and V. A. Hendrick. 52 p. 1939.
10. Soil survey of Williamson County, Texas. E. H. Templin, A. H. Bean, J. W. Huckabee, Jr., Leslie H. Smith, and M. H. Layton. 55 p. 1938.
11. Soil survey of Hayes County, Nebraska. L. A. Brown. 41 p. 1938.
12. Soil survey of Kitsap County, Washington. Robert Wildermuth, S. O. Perkins, R. E. Pasco, and Edgar H. Hubbard. 41 p. 1939.
13. Soil survey of the Price area, Utah. F. O. Youngs and D. S. Jennings. 24 p. 1939.
14. Soil survey of Hunt County, Texas. E. H. Templin and R. M. Marshall. 56 p. 1939.
15. Soil survey of Cheboygan County, Michigan. Z. C. Foster, A. E. Shearin, C. E. Millar, J. O. Veatch, and R. L. Donahue. 47 p. 1939.

1935

1. Soil survey of Edgefield County, South Carolina. F. R. Lesh, W. J. Geib, A. E. Shearin, and C. H. Wonser. 56 p. 1938.
2. Soil survey of Allen County, Kansas. W. I. Watkins, W. H. Metzger, and J. R. Latta. 42 p. 1938.
3. Soil survey of Carteret County, North Carolina. S. O. Perkins, M. W. Beck, E. F. Goldston, J. A. Sutton, and William Gettys. 34 p. 1938.
4. Soil survey of Hale County, Alabama. M. J. Edwards, B. H. Williams, A. L. Gray, C. H. Wonser, M. E. Stephens, and M. E. Swann. 60 p. 1939.
5. Soil survey of Garfield County, Oklahoma. E. G. Fitzpatrick, W. C. Boatright, and L. E. Rose. 48 p. 1939.
6. Soil survey of Grafton County, New Hampshire. W. J. Latimer, M. H. Layton, W. H. Lyford, W. H. Coates, and P. N. Scripture. 79 p. 1939.
7. Soil survey of Decatur County, Iowa. A. W. Goke, E. R. Webster, and D. F. Moine. 28 p. 1939.
8. Soil survey of Murray County, Oklahoma. E. G. Fitzpatrick, L. E. Rose, and W. C. Boatright. 46 p. 1939.
9. Soil survey of Frontier County, Nebraska. S. R. Bacon, E. H. Tyner, W. L. Bruce, David Franzen, and D. B. Dobron. 34 p. 1939.
10. Soil survey of Sarpy County, Nebraska. T. E. Beesley and T. K. Popov. 43 p. 1939.
11. Soil survey of Toombs County, Georgia. Arthur E. Taylor, W. H. Buckhannan, A. H. Hasty, and John T. Miller. 42 p. 1939.

1936

1. Soil survey of Mason County, Michigan. C. H. Wonser, J. O. Veatch, and W. J. DeBoer. 67 p. 1939.

SOIL SURVEY REPORTS (BY STATE AND COUNTY)

ALABAMA

Colbert County. L. G. Brackeen and A. L. Gray. 45 p. (No. 22, series 1933.) 1939.
Dallas County. W. J. Moran, W. E. Tharp, W. J. Leighty, A. L. Gray, L. G. Brackeen, M. E. Stephens, and M. E. Swann. 54 p. (No. 22, series 1932.)
Hale County. M. J. Edwards, B. H. Williams, A. L. Gray, C. H. Wonser, M. E. Stephens, and M. E. Swann. 60 p. (No. 4, series 1935.) 1939.
Lauderdale County. A. L. Gray, W. E. Tharp, M. E. Stephens, and L. G. Brackeen. 43 p. (No. 26, series 1931.) 1936.
Mobile County. B. H. Williams, G. A. Swenson, M. J. Edwards, A. L. Gray, J. F. Stroud, M. E. Stephens, Malcolm Croft, L. G. Brackeen, and M. E. Swann. 47 p. (No. 42, series 1930.) 1936.
Wilcox County. G. A. Swenson, M. J. Edwards, B. H. Williams, A. L. Gray, W. J. Leighty, M. E. Stephens, M. C. Croft, and L. G. Brackeen. 60 p. (No. 26, series 1932.) 1938.
Winston County. M. E. Swann, M. E. Stevens, M. C. Croft, and W. E. Tharp. 31 p. (No. 12, series 1932.) 1937.

ARIZONA

Tucson area. F. O. Youngs, A. T. Sweet, A. T. Strahorn, T. W. Glassey, and E. N. Poulson. 60 p. (No. 19, series 1931.) 1936.
Upper Gila Valley area. E. N. Poulson and F. O. Youngs. 41 p. (No. 15, series 1933.) 1938.

CALIFORNIA

Alturas area. E. J. Carpenter and R. Earl Storie. 54 p. (No. 23, series 1931.) 1936.
Barstow area. R. Earl Storie and D. F. Trussell. 46 p. (No. 8, series 1933.) 1937.
Contra Costa County. E. J. Carpenter and S. W. Cosby. 83 p. (No. 26, series 1933.) 1939.
Lodi area. Stanley W. Cosby and E. J. Carpenter. 52 p. (No. 14, series 1932.) 1937.
Napa area. E. J. Carpenter and Stanley W. Cosby. 76 p. (No. 13, series 1933.) 1938.

GEORGIA

Decatur County. A. H. Hasty, Earl D. Fowler, R. T. Avon Burke, W. H. Buckhannan, Z. C. Foster, and G. L. Fuller. 44 p. (No. 24, series 1933.) 1939.
McDuffie County. G. L. Fuller and A. H. Hasty. 47 p. (No. 28, series 1931.) 1937.
Toombs County. Arthur E. Taylor, W. H. Buckhannan, A. H. Hasty, and John T. Miller. 42 p. (No. 11, series 1935.) 1939.

IDAHO

**Bonner County. E. N. Poulson, F. A. Mark, and George Gibbs. 66 p. (No. 16, series 1934.) 1939.

INDIANA

Dubois County. C. S. Simmons, R. T. Avon Burke, T. M. Bushnell, J. E. Adams, and H. P. Ulrich. 39 p. (No. 45, series 1930.) 1937.
**Jennings County. D. R. Kunkel, H. P. Ulrich, A. T. Wiancko, M. E. Waggoner, J. S. James, T. M. Bushnell, W. J. Boatman, W. H. Buckhannan, and R. R. Finley. 53 p. (No. 40, series 1932.) 1940.
Pike County. H. P. Ulrich, T. M. Bushnell, D. R. Kunkel, J. T. Miller, and E. G. Fitzpatrick. 68 p. (No. 47, series 1930.) 1938.

**Issued by the Bureau of Plant Industry.

Randolph County. W. H. Buckhannan, M. E. Waggoner, T. E. Barnes, and W. J. B. Boatman. 22 p. (No. 18, series 1931.) 1936.
Rush County. C. S. Simmons, D. R. Kunkel, and H. P. Ulrich. 36 p. (No. 44, series 1930.) 1937.
Washington County. John T. Miller, Howard Wm. Higbee, A. T. Wianeko, and M. E. Waggoner. 65 p. (No. 36, series 1932.) 1939.
**Steuben County. L. R. Smith, W. E. Tharp, W. J. Leighty, T. M. Bushnell, and H. P. Ulrich. 63 p. (No. 35, series 1933.) 1940.

IOWA

**Audubon County. T. H. Benton and W. J. Geib. 41 p. (No. 34, series 1933.) 1940.
**Cerro Gordo County. J. A. Elwell, H. L. Dean, Foster Rudolph, and E. W. Tigges. 68 p. (No. 13, series 1935.) 1940.
**Davis County. C. L. Orrben and G. A. Swenson. 40 p. (No. 32, series 1933.) 1940.
Decatur County. A. W. Goke, E. R. Webster, and D. F. Moine. 28 p. (No. 7, series 1935.) 1939.
Franklin County. T. H. Benton and F. R. Lesh. 55 p. (No. 23, series 1932.) 1938.
Ida County. T. H. Benton and W. J. Geib. 32 p. (No. 30, series 1933.) 1939.
Marion County. C. L. Orrben and W. J. Leighty. 43 p. (No. 39, series 1932.) 1939.
**Osceola County. C. L. Orrben, H. L. Dean, and G. A. Swenson. 45 p. (No. 19, series 1934.) 1940.

KANSAS

Allen County. W. I. Watkins, W. H. Metzger, and J. R. Latta. 42 p. (No. 2, series 1935.) 1938.
Kingman County. E. W. Knobel, R. O. Lewis, and C. E. Dornberger. 35 p. (No. 24, series 1932.) 1938.

KENTUCKY

Fayette County. Howard Wm. Higbee, and K. S. Venable. 45 p. (No. 25, series 1931.) 1936.

LOUISIANA

Livingston Parish. A. C. Anderson. E. B Deeter, S. Rankin Bacon. W. H. Buckhannan, C. S. Simmons, K. V. Goodman, R. R. Finley, and B. H. Hendrickson. 35 p. (No. 22 series 1931.) 1936.

MICHIGAN

Cheboygan County. Z C. Foster, A. E. Shearin, C. E. Millar, J. O. Veatch, and R. L. Donahue. 47 p. (No. 15, series 1934.) 1939.
Iron County. Z. C. Foster, J. O. Veatch, and L. R. Schoenmann. 29 p. (No. 46, series 1930.) 1937.
Mason County. C. H. Wonser, J. O. Veatch, and W. J. DeBoer. 67 p. (No. 1, series 1936.) 1939.
Montmorency County. J. O. Veatch, L. R. Schoenmann, C. E. Millar, and A. E. Shearin. 43 p. (No. 39, series 1930.) 1936.
Oceana County. C. H. Wonser, J. O. Veatch, and L. R. Jones. 47 p. (No. 12, series 1933.) 1938.
Osceola County. J. O. Veatch, L. R. Schoenmann, C. E. Millar, and A. E. Shearin. 42 p. (No. 20, series 1931.) 1936.
Saginaw County. J. W Moon, J. O. Veatch, R. E. Pasco, E. H. Hubbard, and R. L. Donahue. 53 p. (No. 19, series 1933.) 1938.
Schoolcraft County. Z. C. Foster, J. O. Veatch, L. R. Schoenmann, R. E. Pasco, E. H. Hubbard, and R. L. Donahue. 42 p. (No. 37, series 1932.) 1939.

MINNESOTA

Kanabec County. P. R. McMiller, Iver Nygard, Sam Hill, A. E. Shearin, and C. S. Simmons. 43 p. (No. 27, series 1933.) 1939.
Red River Valley area, reconnaissance. C. C. Nikiforoff, A. H. Hasty, G. A. Swenson, A. L. Gray, E. A. Fieger, Sam Hill, H. C Newman, C. H. Mattson, J. C. Hide, and Eric Kneen. 98 p. (No. 25, series 1933.) 1939.

MISSISSIPPI

Marion County. J. W. Moon, Clarence Lounsbury, Robert Wildermuth, C. S. Simmons, Arthur E. Taylor, and Z. C. Foster. 40 p. (No. 6, series 1934.) 1938.

MONTANA

Gallatin Valley area. William DeYoung and L. H. Smith. 36 p. (No. 16, series 1931.) 1936.
Lower Yellowstone Valley area. William DeYoung, F. K. Nunns, and L. H. Smith. 35 p. (No. 38, series 1932.) 1939.
**Middle Yellowstone Valley area. William DeYoung, F. K. Nunns, and L. H. Smith. 29 p. (No. 33, series 1933.) 1940.

NEBRASKA

Boyd County. W. J. Moran, F. A. Hayes, and R. H. Lovald. 44 p. (No. 9, series 1933.) 1937.
Brown County. E. A. Nieschmidt, F. A. Hayes, and S. R. Bacon. 49 p. (No. 20, series 1933.) 1938.
Frontier County. S. R. Bacon, E. H. Tyner, W. L. Bruce, David Franzen, and D. D. Dodson. 34 p. (No. 9, series 1935.) 1939.

Garfield County. Basil Abaskin, E. A. Nieschmidt, R. H. Lovald, and F. A. Hayes. 38 p. (No. 3, series 1934.) 1938.
Gosper County. W. J. Moran. 27 p. (No. 8, series 1934.) 1938.
Greeley County. S. R. Bacon, F. A. Hayes, and E. A. Nieschmidt. 36 p. (No. 4, series 1933.) 1937.
Hayes County. L. A. Brown. 41 p. (No. 11, series 1934.) 1938.
Holt County. W. J. Moran, F. A. Hayes, W. D. Lee, S. Rankin Bacon, Basil Abaskin, R. L. Gemmell, and R. H. Lovald. 38 p. (No. 27, series 1932.) 1938.
Keya Paha County. W. D. Lee, F. A. Hayes, S. R. Bacon, and R. H. Lovald. 42 p. (No. 10, series 1933.) 1937.
Loup County. Basil Abaskin and F. A. Hayes. 34 p. (No. 1, series 1934.) 1937.
Rock County. W. D. Lee, F. A. Hayes, S. R. Bacon, and R. L. Gemmell. 40 p. (No. 16, series 1932.) 1937.
Sarpy County. T. E. Beesley and T. K. Popov. 43 p. (No. 10, series 1935.) 1939.
Wheeler County. Basil Abaskin and F. A. Hayes. 35 p. (No. 5, series 1933.) 1937.

New Hampshire

Grafton County. W. J. Latimer, M. H. Layton, W. H. Lyford, W. H. Coates, and P. N. Scripture. 79 p. (No. 6, series 1935.) 1939.

New Mexico

Roswell area. W. G. Harper. 34 p. (No. 2, series 1933.) 1936.

New York

Broome County. Clarence Lounsbury, A. H. Hasty, D. F. Kinsman, and J. H. Baran. 40 p. (No. 11, series 1932.) 1936.
**Cattaraugus County. C. S. Pearson, J. C. Bryant, Wilber Secor, S. R. Bacon, Clarence Lounsbury, W. J. Camp, and C. B. Beadles. 65 p. (No. 12, series 1935.) 1940.
Monroe County. A. T. Sweet, W. J. Latimer, C. S. Pearson, C. H. Diebold, W. W. Rietz, C. P. Mead, Wilber Secor, and Montague Howard, Jr. 67 p. (No. 17, series 1933.) 1938.
Onondaga County. W. J. Latimer, Montague Howard, Jr., George Gibbs, Warren Huff, and C. S. Pearson. 78 p. (No. 7, series 1934.) 1938.
Orleans County. Robert Wildermuth, Arthur E. Taylor, H. R. Adams, John Lamb, Jr., and D. G. Greenleaf. 102 p. (No. 34, series 1932.) 1939.
**Otsego County. W. E. Tharp, Clarence Lounsbury, W. W. Reitz, C. H. Diebold, A. J. Bauer, and D. F. Kinsman. 64 p. (No. 17, series 1934.) 1940.
Rensselaer County. W. J. Latimer, C. H. Diebold, Wilber Secor, C. P. Mead, and Montague Howard, Jr. 70 p. (No. 15, series 1932.) 1937.
**Ulster County. A. T. Sweet and Wilbur Secor. 52 p. (No. 22, series 1934.) 1940.
Wyoming County. C. S. Pearson, D. G. Greenleaf, H. R. Adams, and Winston Neely. 45 p. (No. 16, series 1933.) 1938.

North Carolina

Brunswick County. S. O. Perkins and E. F. Goldston. 40 p. (No. 17, series 1932.) 1937.
Carteret County. S. O. Perkins, M. W. Beck, E. F. Goldston, J. A. Sutton, and William Gettys. 34 p. (No. 3, series 1935.) 1938.
Chatham County. R. C. Jurney, J. T. Miller, and S. Rankin Bacon. 48 p. (No. 7, series 1933.) 1937.
Franklin County. W. A. Davis, E. F. Goldston, and C. H. Wonser. 24 p. (No. 21, series 1931.) 1936.
Jones County. W. A. Davis, K. V. Goodman, and Z. C. Foster. 27 p. (No. 4, series 1934.) 1938.
Lee County. S. O. Perkins and E. F. Goldston. 42 p. (No. 1, series 1933.) 1936.
Pamlico County. John T. Miller and Arthur E. Taylor. 29 p. (No. 2, series 1934.) 1937.
**Stokes County. W. A. Davis, E. F. Goldston, and W. E. Hearn. 39 p. (No. 20, series 1934.) 1940.
Surrey County. W. A. Davis and E. F. Goldston. 31 p. (No. 20, series 1932.) 1937.
Washington County. W. A. Davis and K. V. Goodman. 25 p. (No. 8, series 1932.) 1936.

Ohio

Adams County. Arthur E. Taylor, J. T. Miller, W. E. Tharp, Earl D. Fowler, T. C. Green, and G. W. Conrey. 64 p. (No. 29, series 1932.) 1938.
Athens County. A. H. Paschall, J. G. Steele, F. G. Loughry, and G. W. Conrey. 39 p. (No. 32, series 1932.) 1938.
Brown County. Earl D. Fowler and T. C. Green. 55 p. (No. 40, series 1930.) 1936.
Licking County. Robert Wildermuth, W. D. Lee, A. H. Paschall, and J. G. Steele. 57 p. (No. 48, series 1930.) 1938.
Logan County. John T. Miller, Arthur E. Taylor, and W. E. Tharp. 48 p. (No. 29, series 1933.) 1939.
Putnam County. Arthur E. Taylor, J. G. Steele, and W. S. Mozier. 35 p. (No. 41, series 1930.) 1936.
**Scioto County. G. W. Conrey, A. H. Paschall, W. S. Mozier, Martin Leatherman, R. N. Durr, and Ivan Hodson. 41 p. (No. 31, series 1933.) 1940.
Vinton County. A. H. Paschall, J. G. Steele, F. G. Loughry, and G. W. Conrey. 28 p. (No. 21, series 1933.) 1938.

Oklahoma

Alfalfa County. A. W. Goke, C. A. Hollopeter, and R. E. Penn. 43 p. (No. 23, series 1933.) 1939.
Carter County. E. G. Fitzpatrick and W. C. Boatright. 33 p. (No. 18, series 1933.) 1938.
Craig County. A. C. Anderson, A. W. Goke, O. H. Brensing, R. E. Penn, and C. B. Boatright. 41 p. (No. 24, series 1931.) 1936.

Garfield County. E. G. Fitzpatrick, W. C. Boatright, and L. E. Rose. 48 p. (No. 5, series 1935.) 1939.
Greer County. A. W. Goke and R. E. Penn. 34 p. (No. 21, series 1932.) 1937.
LeFlore County. E. W. Knobel, C. B. Boatright, and W. C. Boatright. 38 p. (No. 15, series 1931.) 1936.
**Major County. W. H. Buckhannan, O. H. Brensing, and C. F. Fisher. 71 p. (No. 2, series 1936.) 1940.
Mayes County. M. H. Layton and O. H. Brensing. 38 p. (No. 19, series 1932.) 1937.
McIntosh County. E. W. Knobel and O. H. Brensing. 45 p. (No. 11, series 1933.) 1938.
Murray County. E. G. Fitzpatrick, L. E. Rose, and W. C. Boatright. 46 p. (No. 8, series 1935.) 1939.
Pittsburg County. M. H. Layton, M. E. Carr, and C. B. Boatright. 28 p. (No. 29, series 1931.) 1937.
Woodward County. E. G. Fitzpatrick and W. C. Boatright. 42 p. (No. 28, series 1932.) 1938.

PENNSYLVANIA

Armstrong County. R. T. Avon Burke, S. O. Perkins, L. J. Yohn, O. C. Lewis, C. H. Atkinson, and L. A. Brown. 40 p. (No. 35, series 1932.) 1939.
Franklin County. Howard William Higbee, R. R. Finley, R. S. Long, and J. C. Bryant. 92 p. (No. 31, series 1932.) 1938.
Indiana County. R. T. Avon Burke, C. S. Simmons. J. L. Hosterman, Richard Marshall, and C. H. Atkinson. 52 p. (No. 27, series 1931.) 1936.
Wayne County. C. S. Simmons, C. H. Atkinson, and L. A. Brown. 31 p. (No. 25, series 1932.) 1938.

RHODE ISLAND

Kent and Washington Counties. R. C. Roberts, H. C. Knoblauch, S. V. Madison, and V. A. Hendrick. 52 p. (No. 9, series 1934.) 1939.

SOUTH CAROLINA

Abbeville County. F. R. Lesh, W. J. Geib, A. E. Shearin, C. H. Wonser, and W. D. Lee. 36 p. (No. 18, series 1932.) 1937.
Dillon County. W. J. Geib, W. J. Latimer, F. R. Lesh, and A. E. Shearin. 54 p. (No. 17, series 1931.) 1936.
Edgefield County. F. R. Lesh, W. J. Geib, A. E. Shearin, and C. H. Wonser. 56 p. (No. 1, series 1935.) 1938.

TEXAS

Bee County. Howard M. Smith and R. M. Marshall. 34 p. (No. 30, series 1932.) 1938.
Cass County. M. W. Beck, Howard William Higbee, and R. M. Marshall. 30 p. (No. 3, series 1933.) 1937.
Falls County. M. W. Beck. 40 p. (No. 7, series 1932.) 1936.
Hardeman County. E. H. Templin and T. W. Glassey. 38 p. (No. 9, series 1932.) 1936.
Hunt County. E. H. Templin and R. M. Marshall. 56 p. (No. 14, series 1934.) 1939.
**Kaufman County. E. H. Templin and J. W. Huckabee, Jr. 78 p. (No. 3, series 1936.) 1940.
Wheeler County. A. H. Bean, T. C. Reitch, and Z. C. Foster. 34 p. (No. 10, series 1932.) 1936.
Williamson County. E. H. Templin, A. H. Bean, J. W. Huckabee, Jr., Leslie H. Smith, and M. H. Layton. 55 p. (No. 10, series 1934.) 1938.
**Zavala County. Howard M. Smith, M. H. Layton, J. T. Miller, T. W. Glassey, and R. M. Marshall. 40 p. (No. 21, series 1934.) 1940.

UTAH

Price area. F. O. Youngs and D. S. Jennings. 24 p. (No. 13, series 1934.) 1939.

VERMONT

Reconnaissance. W. J. Latimer, S. O. Perkins, F. R. Lesh, L. R. Smith, and K. V. Goodman. 80 p. (No. 43, series 1930.) 1937.

VIRGINIA

**Albemarle County. R. E. Devereux, B. H. Williams, and Edward Shulkcum. 55 p. (No. 14, series 1935.) 1940.
Augusta County. R. C. Jurney, R. E. Devereux, G. W. Patteson, and Edward Shulkcum. 46 p. (No. 13, series 1932.) 1937.
Halifax County. R. C. Jurney, S. O. Perkins, R. E. Devereux, S. S. Obenshain, Edward Shulkcum, and G. W. Patteson. 56 p. (No. 5, series 1934.) 1938.
Nansemond County. R. E. Devereux, Edward Shulkcum, and G. W. Patteson. 39 p. (No. 6, series 1932.) 1936.
Southampton County. R. E. Devereux and Edward Shulkcum. 37 p. (No. 6, series 1933.) 1937.

WASHINGTON

Kitsap County. Robert Wildermuth, S. O. Perkins, R. E. Pasco, and Edgar H. Hubbard. 41 p. (No. 12, series 1934.) 1939.

WEST VIRGINIA

Pocahontas County. B. H. Williams and H. M. Fridley. 48 p. (No. 14, series 1933.) 1938.
Randolph County. B. H. Williams and H. M. Fridley. 32 p. (No. 11, series 1931.) 1936.

WYOMING

Johnson County. T. J. Dunnewald, Orel Tikkaner, and Wesley Roath. 34 p. (No. 28, series 1933.) 1939.
Sheridan County. James Thorp, T. W. Glassey, T. J. Dunnewald, and B. L. Parsons. 48 p. (No. 33, series 1932.) 1939.
**Uinta County. T. W. Glassey, T. J. Dunnewald, and D. M. Stevens. 39 p. (No. 18, series 1934.) 1940.

COMMODITY CREDIT CORPORATION

REPORT OF THE PRESIDENT

1940. Carl B. Robbins. 22 p. 1940.

CORN FORMS

1939–1. Instructions concerning loans on 1939 corn. [4] p. 1939.
1940–1. Instructions concerning loans on 1939 corn. 11 p. 1940.

COMMODITY EXCHANGE ADMINISTRATION[12]

REPORT OF THE CHIEF

1937. J. W. T. Duvel. 21 p. 1937.
1938. J. W. T. Duvel. 18 p. 1938.
1939. J. W. T. Duvel. 46 p. 1939.
1940. J. M. Mehl. 48 p. 1940.

UNNUMBERED PUBLICATIONS

Rules and regulations of the Secretary of Agriculture governing registration as futures commission merchant and as floor broker under the Commodity Exchange Act. Articles I to III. 4 p. 1936.
Rules and regulations of the Secretary of Agriculture under the Commodity Exchange Act. Articles I and II. 34 p. 1937.
Rules and regulations of the Secretary of Agriculture under the Commodity Exchange Act. Articles I to VII. 55 p. 1937.
Commodity Exchange Act as amended. Rules and regulations of the Secretary of Agriculture promulgated thereunder. In effect June 3, 1939. 61 p. 1939.

BUREAU OF DAIRY INDUSTRY

REPORT OF THE CHIEF

1936. O. E. Reed. 28 p. 1936.
1937. O. E. Reed. 36 p. 1937.
1938. O. E. Reed. 37 p. 1938.
1939. O. E. Reed. 46 p. 1939.
1940. O. E. Reed. 53 p. 1940.

ORDERS

1. Regulations for carrying into effect the Process or Renovated Butter Act. 7 p. Revised 1936.

BUREAU OF ENTOMOLOGY AND PLANT QUARANTINE

REPORT OF THE CHIEF

1936. Lee A. Strong. 121 p. 1936.
1937. Lee A. Strong. 98 p. 1937.
1938. Lee A. Strong. 84 p. 1938.
1939. Lee A. Strong. 117 p. 1939.
1940. Lee A. Strong. 128 p. 1940.

SERVICE AND REGULATORY ANNOUNCEMENTS

Nos. 125 to 144. October–December 1935, issued March 1936, to July–September, issued December 1940.

LIST OF INTERCEPTED PLANT PESTS

1935. 131 p. 1936.
1936. 83 p. 1937.
1937. 55 p. 1938.
1938. 62 p. 1939.
1939. 53 p. 1940.

FARM CREDIT ADMINISTRATION

REPORT

1939. A. G. Black, acting Governor. 260 p. 1939.

[12] Successor to Grain Futures Administration, June 15, 1936.

BULLETINS

40. Cooperative grain marketing in the Pacific Northwest. Harry E. Ratcliffe. 44 p. 1940.
41. Expenses, income and dividends of Oklahoma and Texas cooperative cotton gins. John S. Burgess, Jr., and Otis T. Weaver. 62 p. 1940.

CR SERIES

2. Agricultural credit in Denmark. Walter Bauer. 71 p. 1940.

CIRCULARS

1. Federal land bank and land bank commissioner loans. 12 p. 1940.
3. Loans by production credit associations. 12 p. 1940.
5. Agricultural financing through the Farm Credit Administration. 19 p. 1940.
6. Loans to farmers' cooperatives. Folder. Rev. 1940.
7. The Federal intermediate credit banks. 17 p. Revised 1939.
14. Selecting and financing a farm. 16 p. 1940.
15. A B C's of credit for the farm family. 20 p. 1940.
18. The credit road to farm ownership. 17 p. Revised 1940.
25. 10 close-ups of consumer credit. 48 p. 1940.
26. Let's hold better annual meetings. 20 p. 1940.

NOTE.—Numbers omitted were issued prior to July 1, 1939.

CIRCULAR A SERIES

18. Financing agriculture in 1939. 20 p. 1940.
19. The co-op and its second generation members. Tom G. Stitts. 20 p. 1940.
20. Agricultural cooperation and national legislation. Tom G. Stitts and Wm. C. Welden. 23 p. 1940.
21. Statement of a method and principles of organization for providing long-term farm mortgage cooperative credit. 16 p. 1940.

CIRCULAR C SERIES

117. South Brazil, new land of cotton. Omer W. Herrmann. 47 p. 1940.
118. Operation of small-lot country fruit and vegetable auctions. Edwin W. Cake. 40 p. 1940.
119. Operating methods of Challenge Cream & Butter Association. Paul E. Quintus. 45 p. 1940.
120. Cooperative purchasing of farm supplies in Georgia. Gerald M. Francis. 38 p. 1940.
121. The citrus industry and the California Fruit Growers Exchange system. Nephtune Fogelberg and A. W. McKay. 109 p. 1940.

CIRCULAR E SERIES

2. Cooperative business association loans. 20 p. Rev. 1940.
3. Farm production loans. [24] p. Rev. 1940.
10. Using your wool co-op. James M. Coon. [13] p. 1939.
12. Using your fruit and vegetable co-op. A. W. McKay. 13 p. 1939.
13. Using your poultry and egg co-op. John J. Scanlan. 13 p. 1939.
16. Using your national farm loan association. [13] p. 1940.
17. Using your production credit association. [13] p. 1940.
19. Forming farmers' cooperatives. Tom G. Stitts. 13 p. 1939.
20. Financing farmers' cooperatives. E. A. Stokdyk. [13] p. 1939.
21. Managing farmers' cooperatives. Kelsey B. Gardner. [13] p. 1939.
24. Three principles of agricultural cooperation. Ward W. Fetrow. [9] p. 1940.
26. Farmers need special credit facilities. James L. Robinson. 26 p. 1940.

NOTE.—Numbers omitted were issued prior to July 1, 1939.

COOPERATIVE SAVING WITH FEDERAL CREDIT UNIONS

Vol. 2, No. 4 to Vol. 3, No. 5. July–August 1939 to September–October 1940. Bimonthly.

FARM CREDIT QUARTERLY

September 30, 1939 to December 31, 1940. Quarterly.

FARMER CO-OP SERIES

Farmer co-ops in Alabama. M. C. Puhr. 20 p. 1940.
Farmer co-ops in Arkansas. Val C. Sherman. 12 p. 1939.
Farmer co-ops in California. Paul Parker. 12 p. 1940.
Farmer co-ops in Florida. E. B. Reid. 28 p. 1940.
Farmer co-ops in Georgia. M. C. Puhr. 16 p. 1939.
Farmer co-ops in Idaho. M. C. Puhr. 24 p. 1939.
Farmer co-ops in Illinois. Val C. Sherman. 28 p. 1939.
Farmer co-ops in Indiana. French M. Hyre. 20 p. 1940.
Farmer co-ops in Iowa. R. C. Dorsey. 28 p. 1939.
Farmer co-ops in Kentucky. W. J. Maddox. 16 p. 1939.
Farmer co-ops in Mississippi. M. C. Puhr. 20 p. 1940.
Farmer co-ops in New England. Val C. Sherman. 28 p. 1940.
Farmer co-ops in New Jersey. Elizabeth B. Melvin. 16 p. 1940.
Farmer co-ops in Oklahoma. M. C. Puhr. 16 p. 1939.

Farmer co-ops in Oregon. M. C. Puhr. 24 p. 1939.
Farmer co-ops in Pennsylvania. French M. Hyre. 21 p. 1940.
Farmer co-ops in Utah. M. C. Puhr. 16 p. 1940.
Farmer co-ops in Washington. M. C. Puhr. 24 p. 1940.

JOINT STOCK LAND BANK QUARTERLY

September 30, 1939 to December 31, 1940. Quarterly.

LEAFLETS

1. Cooperative terminal livestock marketing. 8 p. 1940.
2. Up-to-date grain marketing in the Pacific Northwest. 8 p. 1940.
3. Volume as a key to successful cooperative gins. 8 p. 1940.
4. Cooperative possibilities in cottonseed oil mills. 8 p. 1940.
5. Cooperative technique in a west coast dairy regional. 8 p. 1940.
6. How cooperative auctions fit the poultrymen's needs. 8 p. 1940.
7. Hoosier progress in farm supply purchasing. 8 p. 1940.
8. Cooperative possibilities in improving apple sales. 8 p. 1940.
9. How farmers' cooperatives use terminal fruit auctions. 8 p. 1940.

NEWS FOR FARMER COOPERATIVES

Vol. 6, No. 4, to Vol. 7, No. 9. July 1939 to December 1940. Monthly.

FARM SECURITY ADMINISTRATION [13]

REPORT OF THE ADMINISTRATOR

1938. Will W. Alexander. 22 p. 1938.
1939. Will W. Alexander. 22 p. 1939.
1940. C. B. Baldwin. 24 p. 1940.

UNNUMBERED PUBLICATIONS

Farm tenant loans. Folder. 1937. Revised 1939.
Good neighbor. Folder. 1937. Revised 1939.
Helping the farmer adjust his debts. Folder. 1937. Revised 1939.
Helping the farmer help himself. Folder. 1937. Revised 1939.
The flexible farm lease. 8 p. 1937.
Shall I repay my tenant purchase loan under the fixed payment plan or under the variable payment plan? Folder. 1938.
Farm security. [8] p. 1939.
Small houses. [16] p. 1939.
Co-ops for the small farmer. 8 p. 1940.
Managing the small farmer's co-op. 8 p. 1940.
Migrant farm labor. [14] p. 1940.
Security for farm tenants. 13 p. 1940.

FEDERAL CROP INSURANCE CORPORATION

ANNUAL REPORT OF THE MANAGER

1939. Leroy K. Smith. 29 p. 1939.
1940. Leroy K. Smith. 29 p. 1940.

F. C. I.—INFORMATION SERIES

1. Can you afford "profitable waiting?" Folder. 1939.
2. Make surplus wheat work. Folder. 1939.
3. Sow with certainty. Folder. 1939.
4. Drought defense. Folder. 1939.
5. Assured farm income through cooperation. Folder. 1939.
6. Your farm will suffer crop failure when? Folder. 1939.
7. Wheat crop insurance means assured buying power. Folder. 1939.
8. Insure against wheat losses. Folder. 1939.
9. Questions and answers on wheat crop insurance. 14 p. 1939.
10. Insured harvests. 14 p. 1939.
11. Crop insurance and the multiple land owner. 9 p. 1939.
12. "Let me tell you what crop insurance means to me." Folder. 1939.
13. Crop insurance and the country elevator. Folder. 1940.
14. Before you plant—insure. [12] p. 1940.
15. Questions and answers on 1941 crop insurance. 14 p. 1940.
16. Is this your farm? [11] p. 1940.

F. C. I.—REGULATIONS

1. 1940 wheat crop insurance regulations. 14 p. 1939.
101. 1941 wheat crop insurance regulations. 18 p. 1940.

---

[13] Name changed from Resettlement Administration, September 1, 1937.

F. C. I. R. SERIES 1

1. Regulations relating to wheat crop insurance. 11 p. 1938.
1. Sup. 1. Amendments to regulations relating to wheat crop insurance. 6 p. 1938.

GENERAL INFORMATION SERIES

1. Crop insurance for wheat growers. [4] p. 1938.
2. Economic justification for certain salient provisions of the regulations, application, and policy for wheat crop insurance with a brief history of the program and a brief outline of the general plan of operation. Wm. H. Howe. 20 p. 1938.
3. Questions and answers on crop insurance. 5 p. 1938.
4. Wheat crop insurance and agricultural credit. [4 p.] 1938.
5. Wheat in your bin every year. [10] p. 1938.

KANSAS LEAFLETS

1. Insured wheat income. 11 p. 1940.

NORTH DAKOTA LEAFLETS

1. Now is the time to think about yield insurance on your next wheat crop. Folder. 1940.

FEDERAL SURPLUS COMMODITIES CORPORATION [14]

REPORTS [15]

1935. C. C. Davis. 11 p. 1936.
1936. J. W. Tapp. 16 p. 1937.
1937. Jesse W. Tapp. 8 p. 1937.
1938. 23 p. 1938.
1939. 12 p. 1939.
1940. 10 p. 1940.

FOOD AND DRUG ADMINISTRATION [16]

REPORT OF THE CHIEF

1936. W. G. Campbell. 23 p. 1936.
1937. W. G. Campbell. 24 p. 1937.
1938. W. G. Campbell. 24 p. 1938.
1939. W. G. Campbell. 32 p. 1939.
1940. W. G. Campbell. 30 p. 1940.

NOTICES OF JUDGMENT

CAUSTIC POISON ACT

Nos. 34–99. May 1936–August 1940.

FOOD AND DRUGS ACT

Nos. 24351–31075. February 1936–August 1940.

FOOD, DRUG, AND COSMETIC ACT

Foods. Nos. 1–500. March–August 1940.
Drugs. Nos. 1–140. May 1940.
Cosmetics. Nos. 1–30. May 1940.

NAVAL STORES ACT

Nos. 11–13. June 1936–May 1937.

SERVICE AND REGULATORY ANNOUNCEMENTS

2. Rev. 5. Definitions and standards for food products for use in enforcing the Food and Drugs Act. 20 p. 1936.
4. Rev. 4. Amendment of July 8, 1930, to Federal Food and Drugs Act and requirements thereunder. 14 p. 1937.

FOOD, DRUG, AND COSMETIC

1. Federal Food, Drug, and Cosmetic Act and general regulations for its enforcement. 50 p. 1939.

---

[14] Name changed to Surplus Marketing Administration, June 30, 1940.
[15] *See also* Marketing and Marketing Agreements and Federal Surplus Commodities Corporation report.
[16] Transferred to Federal Security Agency, June 30, 1940.

NAVAL STORES

1. Regulations for the enforcement of the Naval Stores Act. 15 p. 1938.

TEA SERIES

Nos. 10–14. Effective May 1, 1936–May 1, 1940.

FOREST SERVICE

REPORT OF THE CHIEF

1936. F. A. Silcox. 60 p. 1936.
1937. F. A. Silcox. 54 p. 1937.
1938. F. A. Silcox. 55 p. 1938.
1939. F. A. Silcox. 48 p. 1939.
1940. Earle H. Clapp (Acting Chief). 42 p. 1940.

FIRE CONTROL NOTES

Vol. 2, No. 1, to Vol. 4, No. 4. October 1938–October 1940. Quarterly.

UNNUMBERED PUBLICATIONS

Caribbean National Forest of Puerto Rico. F. A. Silcox and Joseph C. Kircher. 29 p. 1936.
Directory. November 1935, 44 p.; November 1936, 110 p.; July 1938, 68 p.; January 1939, 70 p.; July 1939, 71 p.; January 1940, 75 p.; July 1940, 74 p.
Great forest fires of America. John D. Guthrie. 10 p. 1936.
Here are forests. Their relation to human progress in the age of power. Prepared for the Third World Power Conference. Martha Bensley Bruère. 27 p. 1936.
The use book. A manual of information about national forests. Grazing section. Revised 1936. 113 p. 1936.
Range plant handbook. W. A. Dayton, Thomas Lommasson, Barry C. Park, Charles A. Kutzleb, Odell Julander, Arnold R. Standing, Selar S. Hutchings, Lloyd W. Swift, Edward P. Cliff, Doris W. Hayes, Miriam L. Bomhard, W. R. Chapline, R. R. Hill, and Lincoln Ellison. 538 p. 1937.
How to care for wild meat. Folder. 1938.
Taming our forests. Martha Bensley Bruère. 87 p. 1938.
Tree planting on the Prairie States forestry project. [7] p. 1938.
Trees that temper the western winds. [15] p. 1938.
What forests give. Martha Bensley Bruère. 79 p. 1938. Revised 1940.
Community forests. Nelson C. Brown. 36 p. 1939.
Florida national forests. F. A. Silcox and Joseph C. Kircher. 46 p. 1939.
National forest areas. June 30, 1939. 15 p. 1939.
Products of American forests. J. Alfred Hall and T. J. Mosley. 58 p. 1939.
The fire-control equipment handbook: 1938. (Three parts, numbered separately.) 1939.
Forest outings. By thirty foresters. Edited by Russell Lord. 311 p. 1940.
National-forest vacations. 54 p. [1940.]

GRAIN FUTURES ADMINISTRATION [17]

REPORT OF THE CHIEF

1936. J. W. T. Duvel. 8 p. 1936.

BUREAU OF HOME ECONOMICS

REPORT OF THE CHIEF

1936. Louise Stanley. 14 p. 1936.
1937. Louise Stanley. 15 p. 1937.
1938. Louise Stanley. 16 p. 1938.
1939. Louise Stanley. 22 p. 1939.
1940. Louise Stanley. 21 p. 1940.

UNNUMBERED PUBLICATIONS

Dry skim milk. 8 p. Folder. 1938.
Poultry cooking. 8 p. Folder. 1939.
Well-nourished children. Children's Bureau, United States Department of Labor in cooperation with Bureau of Home Economics, United States Department of Agriculture. 16 p. 1939.
Eat the right food to help keep you fit. In cooperation with the Children's Bureau, Department of Labor, and Office of Education, Federal Security Agency. Folder. [1940.]

DIVISION OF MARKETING AND MARKETING AGREEMENTS AND FEDERAL SURPLUS COMMODITIES CORPORATION [18]

REPORT

1939. Milo Perkins. 67 p. 1939.

---

[17] Succeeded by Commodity Exchange Administration on June 15, 1936.
[18] Combined with Surplus Marketing Administration July 1, 1940.

BUREAU OF PLANT INDUSTRY

REPORT OF THE CHIEF

1936. Frederick D. Richey. 28 p. 1936.
1937. Frederick D. Richey. 34 p. 1937.
1938. E. C. Auchter. 37 p. 1938.
1939. E. C. Auchter. 53 p. 1939.
1940. E. C. Auchter. 56 p. 1940.

INVENTORIES

117–126. Plant material introduced by the Division of Plant Exploration and Introduction, Bureau of Plant Industry, October 1, 1933, to March 31, 1936. (Nos. 103777–114514). January 1936 to June 1940.

SERVICE AND REGULATORY ANNOUNCEMENTS

22. Coloring imported alfalfa and red clover seed as required under the Federal Seed Act. 2 p. 1936.
23. Prosecutions and seizures under the interstate clause (Sec. 6) of the Federal Seed Act. July 1, 1935, to June 30, 1936. 10 p. 1936.
24. Prosecutions and seizures under the interstate clause (Sec. 6) of the Federal Seed Act. July 1, 1936, to June 30, 1938. 5 p. 1939.[19]

DIVISION OF SOIL SURVEY [20]

SOIL SURVEY (BY SERIES)

1932

40. Soil survey of Jennings County, Indiana. D. R. Kunkel, H. P. Ulrich, A. T. Wiancko, M. E. Waggoner, J. S. James, T. M. Bushnell, W. J. Boatman, W. H. Buckhannan, and R. R. Finley. 53 p. 1940.

1933

31. Soil survey of Scioto County, Ohio. G. W. Conrey, A. H. Paschall, W. S. Mozier, Martin Leatherman, R. N. Durr, and Ivan Hodson. 41 p. 1940.
32. Soil survey of Davis County, Iowa. C. L. Orrben and G. A. Swenson. 40 p. 1940.
33. Soil survey of the Middle Yellowstone Valley area, Montana. William DeYoung, F. K. Nunns, and L. H. Smith. 29 p. 1940.
34. Soil survey of Audubon County, Iowa. T. H. Benton and W. J. Geib. 41 p. 1940.
35. Soil survey of Steuben County, Indiana. L. R. Smith, W. E. Tharp, W. J. Leighty, T. M. Bushnell, and H. P. Ulrich. 63 p. 1940.

1934

16. Soil survey of Bonner County, Idaho. E. N. Poulson, F. A. Mark, and George Gibbs. 66 p. 1939.
17. Soil survey of Otsego County, New York. W. E. Tharp, Clarence Lounsbury, W. W. Reitz, C. H. Diebold, A. J. Bauer, and D. F. Kinsman. 64 p. 1940.
18. Soil survey of Uinta County, Wyoming. T. W. Glassey, T. J. Dunnewald, and D. M. Stevens. 39 p. 1940.
19. Soil survey of Osceola County, Iowa. C. L. Orrben, H. L. Dean, and G. A. Swenson. 45 p. 1940.
20. Soil survey of Stokes County, North Carolina. W. A. Davis and E. F. Goldston. 39 p. 1940.
21. Soil survey of Zavala County, Texas. Howard M. Smith, M. H. Layton, J. T. Miller, T. W. Glassey, and R. M. Marshall, 40 p. 1940.
22. Soil survey of Ulster County, New York. A. T. Sweet and Wilber Secor. 52 p. 1940.

1935

12. Soil survey of Cattaraugus County, New York. C. S. Pearson, J. C. Bryant, Wilber Secor, S. R. Bacon, Clarence Lounsbury, W. J. Camp, and C. B. Beadles. 65 p. 1940.
13. Soil survey of Cerro Gordo County, Iowa. J. A. Elwell, H. L. Dean, Foster Rudolph, and E. W. Tigges. 68 p. 1940.
14. Soil survey of Albemarle County, Virginia. R. E. Devereux, B. H. Williams, and Edward Shulkcum. 55 p. 1940.

1936

2. Soil survey of Major County, Oklahoma. W. H. Buckhannan, O. H. Brensing, and C. F. Fisher. 71 p. 1940.
3. Soil survey of Kaufman County, Texas. E. H. Templin and J. W. Huckabee, Jr. 78 p. 1940.

SOIL SURVEY REPORTS (BY STATE AND COUNTY) [21]

---

[19] *See* Agricultural Marketing Service, Service and Regulatory Announcement No. 156 for 1940.

[20] This Division was transferred from the Bureau of Chemistry and Soils October 16, 1938.

[21] See Bureau of Chemistry and Soils, Division of Soil Survey, Soil Survey Reports by State and County preceded by **.

BUREAU OF PUBLIC ROADS[22]

REPORT OF THE CHIEF

1936. Thomas H. MacDonald. 69 p. 1936.
1937. Thomas H. MacDonald. 73 p. 1937.
1938. Thomas H. MacDonald. 72 p. 1938.
1939. Thomas H. MacDonald. 85 p. 1939.

PUBLIC ROADS

Vol. 16, no. 11 to vol. 20, no. 4. January 1936 to June 1939. Monthly.

UNNUMBERED PUBLICATIONS

Drive safely. William G. Eliot 3d. Folder. 1936.
Federal legislation and rules and regulations relating to highway construction. 139 p. 1936.
Highway bond calculations. Laurence I. Hewes and James W. Glover. 51 p. 1936.
Model traffic ordinances. 30 p. 1936.
Highway accidents: Their causes and recommendations for their prevention. 38 p. 1938.
Transition curves for highways. Joseph Barnett. 211 p. 1938.
Highways of history. [53 p.] 1939.
Uniform Motor Vehicle Operators' and Chauffeurs' License Act. 12 p. 1939.

RESETTLEMENT ADMINISTRATION[23]

REPORT OF THE ADMINISTRATOR

1937. Will W. Alexander. 19 p. 1937.

UNNUMBERED PUBLICATIONS

America's land. 30 p. 1936.
Greenbelt towns. [32] p. 1936.
Information for farmers in drought areas. Folder. [1936.]
Interim report of the Resettlement Administration. 34 p. 1936.
Resettlement administration. 28 p. 1936.
Restoring poor land to good use. Folder. [1936.]
The work of resettlement. Folder. [1936.]
What the Resettlement Administration has done. [16] p. 1936.

RURAL ELECTRIFICATION ADMINISTRATION

REPORT

1939. Harry Slattery. 354 p. 1940.

RURAL ELECTRIFICATION NEWS

Vol. 4, No. 12 to Vol. 6, No. 4. August 1939–December 1940.

UNNUMBERED PUBLICATIONS

The electrified farm of tomorrow. 30 p. 1939.
A guide for members of cooperatives. 48 p. 1940.
Make it yourself and make money—the electric chick brooder. Folder. [1940.]
Electricity for the farm through REA. 22 p. 1940.
Make it yourself and make money—the electric stock tank water heater. Folder. 1940.
Profits from farm power. 47 p. 1940.

SOIL CONSERVATION SERVICE

REPORT OF THE CHIEF

1936. H. H. Bennett. 52 p. 1936.
1937. H. H. Bennett. 51 p. 1937.
1938. H. H. Bennett. 55 p. 1938.
1939. H. H. Bennett. 78 p. 1939.
1940. H. H. Bennett. 64 p. 1940.

EROSION SURVEYS

12. Erosion and related land use conditions on the Hell and Mud Creeks demonstration project, Mississippi.[24] D. T. Webb. 25 p. 1940.
13. Erosion and related land use conditions on the Mad River watershed, Vermont. C. H. Atkinson. 31 p. 1940.

---

[22] Transferred to Federal Works Agency, July 1, 1939.
[23] Name changed to Farm Security Administration, September 1, 1937.
[24] Eleven reports were issued as unnumbered publications.

14. Erosion and related land use conditions on the Lake Crook watershed, Lamar County, Texas. Harvey Oakes. 23 p. 1940.
15. Erosion and related land use conditions in the Conestoga area, Pennsylvania. Jay A. Bonsteel and Turner C. Bass. 52 p. 1940.
16. Erosion and related land use conditions on the Crooked Creek project near Indiana, Pa. J. G. Steele and R. G. Mowrey. 35 p. 1940.
19. Erosion and related land use conditions on the Presque Isle demonstration project. Maine. W. B. Oliver and C. W. Frutchey. 38 p. 1940.

SOIL CONSERVATION

Vol. 1, No. 6 to Vol. 7, No. 6. January 1936–December 1940. Monthly.

UNNUMBERED PUBLICATIONS

Our soil: Its wastage—its preservation. [21] p. 1936. Revised 1938.
Soil and water conservation in the Pacific Northwest. 5 p. 1936.
Soil conservation and wildlife. Issued for the North American Wildlife Conference February 3–7, 1936. 6 p. 1936.
Ten billion little dams. 17 p. 1936.
Anchoring farmlands in the Ohio Valley region. J. S. Cutler. [19] p. 1937.
Erosion control in the Northeast. [20] p. 1937.
Headquarters control and use. Papers presented at the Upstream Engineering Conference held in Washington, D. C., September 22 and 23, 1936. Soil Conservation Service and Forest Service with the cooperation of Rural Electrification Administration. 261 p. 1937.
Soil and water conservation in the northern Great Plains. 19 p. 1937.
Topsoil: Its preservation. 22 p. 1937.
Erosion and related land use conditions on the Froid demonstration project, Montana. William C. Boatright. 28 p. 1938.
Erosion and related land use conditions on the Minot area, North Dakota. Nicholas Holowaychuk and William C. Boatright. 37 p. 1938.
Erosion and related land use conditions on the Reedy Fork demonstration area, North Carolina. W. W. Stevens, H. V. Bragg, E. C. Sease, and O. C. Lewis. 21 p. 1938.
An outline of the water facilities program. [24] p. 1939.
Erosion and related land use conditions on the Elm Creek watershed, Texas. Harvey Oakes and Elias Somerville. 20 p. 1939.
Erosion and related land use conditions on the Muskingum River watershed. H. Howe Morse. 36 p. 1939.
Erosion and related land use conditions on the Scantic River watershed, Connecticut-Massachusetts. P. H. Montgomery. 27 p. 1939.
Erosion and related land use conditions on the University Lake watershed, Chapel Hill, North Carolina. Turner C. Bass and Irving L. Martin. 16 p. 1939.
Erosion and related land use conditions on the watershed of White Rock Reservoir near Dallas, Texas. Richard M. Marshall and Carl B. Brown. 29 p. 1939.
Erosion losses from a 3-day California storm. John G. Bamesberger. [23] p. 1939.
From ridge to river. [14] p. 1939.
Hands to save the soil. [24] p. 1939.
Land use adjustment in the Spring Creek area, Campbell County, Wyoming. R. L. Spurlock and S. M. Lingo. 15 p. 1939.
Problem-area groups of land in the southern Great Plains. H. H. Finnell. 40 p. 1939.
Erosion and related land use conditions on the Lake Michie watershed, near Durham, N. C. Irving L. Martin and Turner C. Bass. 19 p. 1940.
Erosion and related land use conditions on the Lloyd Shoals Reservoir watershed, Georgia. P. H. Montgomery. 26 p. 1940.
Erosion and related land use conditions on the Spartanburg Municipal Reservoir watershed, South Carolina. Turner C. Bass and Irving L. Martin. 16 p. 1940.
Land use and soil conservation. [Folder.] 1940.
Plowing for terrace maintenance in the South. John M. Downing and Philip M. Price. [11] p. 1940.
Terrace construction with small equipment in the South. W. A. Weld and P. M. Price. 11 p. 1940.
The land we defend. Address by H. H. Bennett. 14 p. 1940.
Use the land and save the soil. 14 p. 1940.

SUGAR DIVISION[25]

REPORT OF THE CHIEF

1939. Joshua Bernhardt. 19 p. 1939.

SI SERIES

1. Sugar beets and the Sugar Act. 6 p. 1939.

[25] Transferred to Agricultural Adjustment Administration, February 1, 1940.

SURPLUS MARKETING ADMINISTRATION [26]

SURPLUS REMOVAL AND MARKETING AGREEMENT PROGRAMS

REPORT OF THE ADMINISTRATIVE OFFICIAL

1940. Milo Perkins. 83 p. 1940.

FS SERIES

1. Eating the surplus through the Food Stamp Plan. Milo Perkins. 8 p. 1940.

SL SERIES

1–5. Multilithed.

6. Facts about school lunches. Folder. [1940.]
7. School lunches and the community. Folder. [1940.]

WEATHER BUREAU [27]

REPORT OF THE CHIEF

1936. Willis Ray Gregg. 15 p. 1936.
1937. Willis Ray Gregg. 16 p. 1937.
1938. Willis Ray Gregg. 15 p. 1938.
1939. F. W. Reichelderfer. 21 p. 1939.
1940. F. W. Reichelderfer. 16 p. 1940.

UNITED STATES METEOROLOGICAL YEARBOOK [28]

1935. 140 p. 1937.
1936. 160 p. 1938.
1937. 142 p. 1940.

CLIMATOLOGICAL DATA

Vol. 23, No. 1 to Vol. 27, No. 6. January 1936 to June 1940. Monthly.

DAILY RIVER STAGES AT RIVER GAGE STATIONS ON THE PRINCIPAL RIVERS OF THE UNITED STATES

Vol. XXXIII. 1935. Montrose W. Hayes. 162 p. 1937.
Vol. XXXIV. 1936. Merrill Bernard. 164 p. 1938.
Vol. XXXV. 1937. Merrill Bernard. 168 p. 1939.

MONTHLY WEATHER REVIEW

Vol. 64, No. 1 to Vol. 68, No. 6. January 1936 to June 1940. Monthly.

MONTHLY WEATHER REVIEW SUPPLEMENTS

36. Winds in the upper troposphere and lower stratosphere over the United States. Lloyd A. Stevens. 29 p. 1937.
37. The Ohio and Mississippi River floods of January–February 1937. Bennett Swenson. 55 p. 1938.
38. Summary of aerological observations obtained by means of kites, airplanes and sounding balloons in the United States. Charles M. Lennahan. 65 p. 1938.
39. Reports on critical studies of methods of long-range weather forecasting. Conducted by Bureau of Agricultural Economics. 130 p. 1940.
40. Data from aerological soundings at Fairbanks, Alaska, during the winters 1936–37 and 1937–38. 35 p. 1940.
41. Meteorological results of the Byrd Antarctic Expeditions 1928–30, 1933–35: Tables. G. Grimminger and W. C. Haines. 377 p. 1939.

WEATHER MAPS

January 1, 1936 to June 30, 1940. Daily, including Sundays and holidays.

WEEKLY WEATHER AND CROP BULLETIN

Series 1936, No. 1, to Series 1940, No. 26. January 7, 1936 to June 25, 1940. Weekly.

---

[26] Superseded Division of Marketing and Marketing Agreements and Federal Surplus Commodities Corporation, July 1, 1940.
[27] Transferred to the Department of Commerce, June 30, 1940.
[28] Formerly issued as the Report of the Chief of the Weather Bureau.

UNNUMBERED PUBLICATIONS

Average conditions of wind and weather, North Atlantic Ocean and West Indian waters. W. F. McDonald. 9 p. 1936.
Florida hurricanes. Richard W. Gray. Revised by Grady Norton. 3 p. 1936.
Measurement of precipitation. Benjamin C. Kadel. Revised. 25 p. 1936.
Average conditions of wind and weather, North Pacific Ocean. Willias Edwin Hurd. 12 p. 1937.
Cloud forms according to the international system of classification. Third edition. Revised. 8 p. 1938.
Codes for cloud forms and states of the sky according to the international system of classification. Ivan R. Tannehill, Horace R. Byers, Edgar B. Calvert, Benjamin C. Kadel, Joseph B. Kincer, and Richmond T. Zoch. (Circular S). 100 p. 1938.
Instructions to marine meteorological observers. (Circular M). Sixth edition. 120 p. 1938.
International code for radio weather reports from ships. 16 p. 1938.
Weather forecasting with introductory note on atmospherics. Sixth edition. George S. Bliss. (Bulletin 42). 35 p. 1939.
Instructions for making pilot balloon observations. (Circular 0). 68 p. 1940.

INDEX

	Page
A. I. series	49
Agricultural Adjustment Administration—	
reports	42
unnumbered publications	47
Agricultural Chemistry and Engineering, Bureau of, reports	47
Agricultural Economics, Bureau of—	
reports	47
service and regulatory announcements	47
unnumbered publications	47
Agricultural Engineering, Bureau of, reports	48
Agricultural experiment stations, reports	40
Agricultural Marketing Service—	
reports	48
service and regulatory announcements	48
unnumbered publications	48
Agricultural Situation	47
Agricultural statistics	1
Alaska Game Commission circulars	49
Animal Industry, Bureau of—	
orders	49
reports	49
service and regulatory announcements	49
unnumbered publications	49
BAE-EXT fliers	48
Biological Survey, Bureau of—	
reports	49
service and regulatory announcements	50
Budget and Finance, Office of, reports	39
CR series	58
Caustic Poison Act, notices of judgment	60
Chemistry and Soils, Bureau of, reports	50
Circulars	1
Climatological Data	65
Commodity Credit Corporation, reports	57
Commodity Exchange Administration—	
reports	57
unnumbered publications	57
Commodity information series	42
Consumers Counsel Division, reports	41
Consumers' Guide	41, 46
Cooperative Saving with Federal Credit Unions	58
Corn leaflets	42
Cotton adjustment payments	43
Cotton leaflets	42
County planning series	47
Crops and Markets	47
D series, Extension Service	40
DS series—	
Bureau of Agricultural Economics	48
Extension Service and Agricultural Adjustment Administration	41
Daily River Stages	65
Dairy Industry, Bureau of—	
orders	57
reports	57
Dairy circulars	46
DN series, Agricultural Adjustment Administration	43
ECR series	44
Entomology and Plant Quarantine, Bureau of—	
reports	57
service and regulatory announcements	57
Erosion surveys	63
Experiment Station Record	40
Experiment Stations, Office of, reports	39
Extension Service—	
reports	40
unnumbered publications	40
Extension Service Review	40
F. C. I. information series	59
F. C. I. regulations	59
F. C. I. R. series	60
FS series	65
Farm Credit Administration—	
bulletins	58
circulars	58
leaflets	59
report	57
Farm Credit Quarterly	58
Farm Security Administration—	
reports	59
unnumbered publications	59
Farmer co-op series	58
Farmers' bulletins	6
Federal Crop Insurance Corporation, reports	59
Federal Surplus Commodities Corporation—	
and Division of Marketing and Marketing Agreements, report	61
report	60
Fire Control Notes	61
Food and Drug Administration—	
reports	60
service and regulatory announcements	60
Food and Drugs Act, notices of judgment	60
Food, Drug, and Cosmetic Act, notices of judgment	60
Food, Drug, and Cosmetic, service and regulatory announcements	60
Foreign Agricultural Relations, reports	41
Forest Service—	
reports	61
unnumbered publications	61
General crops circulars	46
General information series—	
Agricultural Adjustment Administration	43
Federal Crop Insurance Corporation	60
Grain Futures Administration, report	61
Hawaii Agricultural Experiment Station, report	40
Home Economics, Bureau of—	
reports	61
unnumbered publications	61
Information, Office of—	
reports	41
unnumbered publications	41
Inventories, Bureau of Plant Industry	62
Joint Stock Land Bank Quarterly	59
Journal of Agricultural Research—	
by Department series	7
by station series	16
Kansas leaflets	60
Land Policy Review	47
Leaflets	24
Librarian, reports	41
Marketing and Marketing Agreements, Division of, and Federal Surplus Commodities Corporation, report	61
Marketing, Director of, Consumers Counsel Division, report	41
Marketing information series	46
Miscellaneous circulars (numbered)	46
Miscellaneous publications (numbered)	25
Monthly List of Publications	41
Monthly Weather Review	65
NCR series	44
NER series	44
Naval Stores Act, notices of judgment	60
Naval Stores, service and regulatory announcements	61
News for Farmer Cooperatives	59

	Page
North American fauna	50
North Dakota leaflets	60
Notices of judgment—	
Caustic Poison Act	60
Food and Drugs Act	60
Food, Drug, and Cosmetic Act	60
Naval Stores Act	60
Personnel, Office of, reports	42
Plant and Operations, Office of, reports	42
Plant Industry, Bureau of—	
reports	62
service and regulatory announcements	62
Poultry circulars	47
Producer-consumer leaflets	44
Public Roads	63
Public Roads, Bureau of—	
reports	63
unnumbered publications	63
Puerto Rico Experiment Station—	
bulletins	40
circulars	40
reports	40
Regional information leaflets	44
Resettlement Administration—	
reports	63
unnumbered publications	63
Rice leaflets	42
Rural Electrification Administration—	
reports	63
unnumbered publications	63
Rural Electrification News	63
SI series	64
SL series	65
SR series	45
SRAC series	45
SRM series	45
Secretary, reports	39
Service and regulatory announcements—	
Bureau of Agricultural Economics	47
Agricultural Marketing Service	48
Bureau of Animal Industry	49
Bureau of Biological Survey	50
Bureau of Entomology and Plant Quarantine	57
Service and regulatory announcements—Con.	
Food and Drug Administration	60
Food, Drug, and Cosmetic	60
Naval Stores	61
Bureau of Plant Industry	62
Tea series	61
Soil Conservation	64
Soil Conservation Service—	
reports	63
unnumbered publications	64
Soil Survey Division—	
Bureau of Chemistry and Soils	50
Bureau of Plant Industry	62
Soil survey reports—	
by series	50, 62
by State and county	53
Solicitor, Office of—	
reports	42
unnumbered publications	42
Statistical bulletins	29
Statistical publications, Agricultural Adjustment Administration	46
Statistics, agricultural	1
Sugar Division, report	64
Surplus Marketing Administration, report	65
Surplus removal and marketing agreement programs, report	65
Tea series, service and regulatory announcements	61
Technical bulletins	29
Tobacco leaflets	42
United States Meteorological Yearbook	65
Unnumbered publications—	
Department	35
See also under each bureau.	
WR series	46
Weather Bureau—	
reports	65
unnumbered publications	65
Weather Maps	65
Weekly Weather and Crop Bulletin	65
Wheat leaflets	43
Yearbook separates	35
Yearbooks	35